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County Borough of West Hartlepool.



ANNUAL REPORT

OF THE

Medical Officer of Health,

FOR THE YEAR 1923.

WEST HARTLEPOOL :
ALEXANDER SALTON LIMITED, Printers, Argus Works, Dover Street.
1924.

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PUBLIC HEALTH DEPARTMENT,

MUNICIPAL BUILDINGS,

WEST HARTLEPOOL,

July, 1924.

To The Mayor, Aldermen and Councillors of the County Borough of West Hartlepool.

MR. MAYOR, LADIES AND GENTLEMEN,

I beg to submit the Annual Report on the Health of the Borough and the work of the Health Department.

During the year there have been some changes in the Staff of the Department. Dr. Cargin resigned his appointment as Tuberculosis Officer on 15th April, and Dr. A. F. Adamson commenced duties as Assistant Medical Officer on 16th April last, but resigned this position on being appointed to a similar position at Walsall, in December.

The health of the town shows a considerable improvement to that of previous years, principally due to weather conditions and an absence of any serious epidemic.

Health Week was celebrated in October, and a demonstration on the Cleansing of Food Receptacles was given to the licenced victuallers and restaurant keepers.

I wish to express my thanks to the Health Committee for their help, and also to the Staff for the able manner in which they have carried out their duties throughout the year.

I am, Ladies and Gentlemen,

Your obedient Servant,

GORDON LILICO.

County Borough of West Hartlepool.

Report of the Medical Officer of Health

FOR THE YEAR 1923.

Natural & Social Conditions of the District

POPULATION.

The figures on pages 5—6 are taken from the Durham County Census Returns for 1921, which were published by the Registrar-General during 1923, and refer to West Hartlepool.

The Registrar-General's estimate of the population for the year 1923 is 70,930, and the statistics for the Report are based on this figure.

POOR LAW RELIEF.

To the Clerk to the Guardians I am indebted for the following statistics relating to Poor Law Relief :—

IN-DOOR RELIEF.

1.—No. of Persons admitted to the Workhouse :—

1922	...	For Indoor-Relief, 824. For Medical Treatment, 680.
1923	...	For In-door Relief, 796. For Medical Treatment, 590.

EXTRACTS FROM CENSUS RETURNS (DURHAM).

	Area in Statute Acres (land and inland water)	TOTAL POPULATION 1911	TOTAL POPULATION 1921				PRIVATE FAMILIES AND DWELLINGS				
		Persons	Persons	Males	Females	Persons per acre	Private Families	Population in private families	Structurally separate dwellings occupied	Rooms occupied	Rooms per person
West Hartlepool	2,684	63,923	68,641	33,926	34,715	25.6	15,053	67,430	13,742	62,780	0.93
Wards—											
Central	91	10,139	10,842	5,558	5,284	119.1	2,339	10,592	1,979	8,428	0.80
North	434	7,191	8,401	4,125	4,276	19.4	1,817	8,320	1,695	7,178	0.86
North-East ...	485	8,158	8,423	4,412	4,011	17.4	1,747	8,028	1,543	6,699	0.83
Park	294	8,493	8,701	3,964	4,737	29.6	2,015	8,567	1,897	11,097	1.29
Seaton	746	4,010	4,338	2,103	2,235	5.8	918	4,213	864	4,046	0.96
South East ...	283	8,606	9,313	4,780	4,533	32.9	1,946	9,215	1,736	6,689	0.73
South West ...	161	9,529	10,300	5,072	5,228	64.0	2,331	10,253	2,179	9,544	0.93
West	190	7,797	8,323	3,912	4,411	43.8	1,940	8,242	1,849	9,099	1.10

	Population							Intercensal Variation				
	1901	1911			1921			1901 to 1911	1911—21			
	Persons	Persons	Males	Females	Persons	Males	Females	Increase or Dec.(—) Amount	Increase or Dec. (—) Amount	Increase or Dec. (—) Per Cent.	Excess of births over deaths (— = Deficiency)	Gain or Loss (—) by Migration (see Note a)
West Hartlepool ...	62,627	63,923	31,516	32,407	68,641	33,926	34,715	1,296	4,718	7·4	7,336	—2,618

Note (a).—War deaths which occurred outside the Country are included as losses by migration. Estimates for individual districts are not available, but for the whole of England and Wales they have been assessed at about 3·1 per cent. of the 1921 male population.

WEST HARTLEPOOL C. B.

Buildings: In course of erection	Buildings: Completed: Not containing dwellings	Buildings: Completed: Containing dwellings	Population 1921		Dwelling occupied by non-private families (excluded from Cols. G—P)	Structurally separate dwellings occupied by private families, or vacant: Vacant on Census night (Included in Cols. K—P)	Structurally separate dwellings occupied by private families, or vacant: Occupied by Caretaker (Included in Cols. K—P)	1—3 rooms	4—5 rooms	6—8 rooms	9 or more rooms	Total Dwellings	Total rooms
a	b	c	d	e	f	g	h	k	l	m	n	o	p
116	—	13,321	64,234	1—Undivided Private Houses	43	278	—	4,374	6,059	2,274	571	13,278	60,673
—	—	—	—	2—Structurally divided Private Houses	—	—	—	—	—	—	—	—	—
—	—	—	—	3—Blocks of Flats, Tenements, etc.	—	—	—	—	—	—	—	—	—
2	462	691	3,300	4—Shops	3	14	—	86	325	241	36	688	3,683
3	391	99	1,107	5—Others	29	2	—	29	31	10	—	70	280
121	853	14,111	68,641	Total	75	294	—	4,489	6,415	2,525	607	14,036	64,636
				Principal Buildings in Group 5 (Others) above:— Vacant on Census night				5	108	77	54	294	1,803
				Dwellings occupied by :									
2	208	49	199	Offices, Factories ... / Warehouses ... / Workshops ... — 1 Private family				4,226	5,633	2,200	506	12,565	57,146
				2 Private families				203	627	191	40	1,061	5,001
				3 or more Private families				5	47	57	7	116	686
—	—	6	81	Hotels									
1	—	10	289	Institutions ...									
—	44	1	4	Places of Worship...									
—	8	1	3	,, Amusement ...									
				Total Dwellings occupied by Private families— No.				4,434	6,307	2,448	553	13,742	62,833
				Total Dwellings occupied by Private families— %				32	46	18	4	100	—
				Total Private families therein				4,647	7,034	2,765	607	15,053	—

Number of persons in family	Number of private families occupying the following number of rooms. 1	2	3	4	5	6-7	8-9	10 & over	Total private families No.	%	Population in private families	Rooms occupied	Density of Occupation: Average No. of Rooms per person	Population at following densities of occupation (rooms per person): under ·3	·3 and under ·5	·5 and under ·7	·7 and under 1·0
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r
1	106	126	90	74	39	42	22	7	506	3.4	506	1,649	3.26	...	...	...	...
2	214	380	518	398	296	220	80	28	2,134	14.2	4,268	7,976	1.87	...	...	428	...
3	187	381	800	629	452	350	147	30	2,976	19.7	8,928	11,923	1.34	...	561	1,143	...
4	69	251	876	700	480	349	145	46	2,916	19.4	11,664	12,374	1.06	276	...	1,004	3,504
5	17	198	661	539	433	290	102	48	2,288	15.2	11,440	9,981	0.87	85	990	3,305	2,695
6	7	100	514	424	303	232	87	22	1,689	11.2	10,134	7,445	0.73	42	600	5,628	1,818
7	3	42	395	323	174	139	61	24	1,161	7.7	8,127	5,090	0.63	315	2,765	2,261	1,757
8	...	25	215	188	117	77	31	19	672	4.5	5,376	3,025	0.56	200	1,720	2,440	616
9	...	10	118	103	57	43	25	3	359	2.4	3,231	1,584	0.49	90	1,989	756	297
10	...	2	60	62	39	32	12	4	211	1.4	2,110	979	0.46	20	1,220	570	260
11	...	2	21	19	17	17	4	1	81	0.5	891	385	0.43	253	396	187	44
12	...	1	7	10	8	8	5	1	40	0.3	480	207	0.43	96	216	132	36
13	...	...	2	2	...	1	4	1	10	0.1	130	77	0.59	26	26	65	...
14	...	...	...	1	1	3	2	...	7	0.0	98	43	0.44	14	56	28	...
15 and over	...	...	...	...	...	1	...	2	3	0.0	47	42	0.89	...	15	...	15
Total Private Families	603	1,518	4,277	3,472	2,416	1,804	727	236	15,053	100.0	...	...	...	...	...	...	...
Population in Private Families	1519	5,261	19907	16477	11244	8,419	3,439	1,164	...	...	67430	...	...	1,417	10554	17947	11042
Rooms Occupied	603	3,036	12831	13888	12080	11647	6,090	2,605	...	...	...	62780	0.93	...	...	...	...

AGES	MALES	FEMALES
All Ages ...	33,926 ...	34,715
0–1 ...	885 ...	910
0–5 ...	3,635 ...	3,655
5–10 ...	3,575 ...	3,352
10–15 ...	3,628 ...	3,656
15–20 ...	3,341 ...	3,493
20–25 ...	2,821 ...	3,192
25–35 ...	4,960 ...	5,368
35–45 ...	4,519 ...	4,654
45–55 ...	3,778 ...	3,635
55–65 ...	2,298 ...	2,198
65–75 ...	1,092 ...	1,119
75–85 ...	262 ...	357
85–95 ...	17 ...	35
95–100 ...	— ...	1

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2.—Number of Persons in Workhouse on—

1st January,	1922	330
,	1923	347
,,	1924	346

OUT-DOOR RELIEF.

3.—Number of New Cases applying for Out-door Relief was—

	1922	1923
Men	3,430	3,772
Women	3,103	3,496
Children	5,143	6,992
Total	11,676	14,260

4.—Number of Persons receiving Out-door Relief on—

	1st January		
	1922	1923	1924
Men	1,098	775	586
Women	1,356	1,119	895
Children	3,031	2,303	1,683
Total	5,485	4,197	3,164

5.—The number of New Cases applying for Out-door Medical Relief only—

	1922	1923
Men	53	64
Women	91	99
Children	98	100
Total	242	263

6.—Number receiving Out-door Medical Relief who are also in receipt of Out-door Relief as above (No. 4)—

	1922	1923
Men	12 ...	4
Women	22 ...	15
Children	30 ...	7
Total	64	26

HOSPITAL RELIEF.

CAMERON HOSPITAL.

	1922	1923
Beds available daily	50 ...	50
Average number of patients (resident)	49 ...	46
Number admitted as In-patients ...	702 ...	730
Average number of days residence for patients	19 ...	22
Operations...	561 ...	607
Deaths	28 ...	33
Number of Out-patients	595 ...	564

Vital Statistics.

MARRIAGES.

The number of marriages that took place during 1923 was 543, a decrease of 40 as compared with the previous year's figures.

The marriage statistics for the past eight years are as follows :

Year	Number of Marriages	Marriage Rate
1916	587	18.06
1917	530	16.3
1918	622	18.29
1919	899	25.5
1920	800	22.8
1921	594	17.1
1922	583	16.6
1923	543	15.3

This is the lowest rate since 1916, and may be accounted for by bad times as regards regular employment and a scarcity of houses.

BIRTHS.

1,745 births were registered and the adjusted or corrected figures give a total of 1,740, a decrease of 113 as compared with the figure for 1922.

The proportion of males to females born was 905 to 835.

The illegitimate births totalled 61, comprising 37 males and 24 females, equivalent to 3.5% of the total births. The rates for the preceding three years were 3.5%, 5.18% and 6.01%.

The birth rates for the past seven years for West Hartlepool and England and Wales, are set out in the Table below:—

	West Hartlepool		England & Wales
Year	Number of Births	Birth Rate	Birth Rate
1917	1,473	22.6	17.8
1918	1,547	22.75	17.7
1919	1,677	23.98	18.5
1920	2,185	31.2	25.4
1921	2,002	28.8	22.4
1922	1,853	26.4	20.6
1923	1,740	24.5	19.7

In the Wards the birth-rate and percentage of births to total births are shown in the following Table:

Ward	Estimated Population	No. of Births	Percentage of the Total Births	Birth Rate per 1,000
North	8,746	201	11.5	23.1
West	8,555	173	9.9	20.3
Park	8,939	161	9.2	17.9
South-West ...	10,809	276	15.8	25.5
South-East ...	9,577	294	16.8	30.9
Central	11,179	329	18.8	29.6
North-East ...	8,550	237	13.5	27.8
Seaton	4,575	74	4.2	16.4
	70,930	1,745		
Inward Transfers		30		
		1,775		
Outward Transfers		35		
		1,740		

NATURAL INCREASE OF POPULATION.

There were 960 more births than deaths, and the natural increase of population for the preceding three years was 897, 1,023 and 1,166 respectively.

The rate per 1,000 persons for the past five years is given below :—

1919	1920	1921	1922	1923
7.8 ...	16.6 ...	14.7 ...	12.8 ...	13.5

DEATHS.

During 1923, 780 deaths took place, the numbers for the three previous years being—956 in 1922; 979 in 1921; and 1,019 in 1920.

Of the 780 deaths, 165 took place in areas outside the Borough, viz. :—

Deaths in Workhouse Infirmary ...	135
,, ,, Hartlepools Hospital ...	13
,, ,, Port Sanitary Hospital...	4
,, ,, Other Districts	13
Total ...	165

Non-residents dying in this area numbered 11.

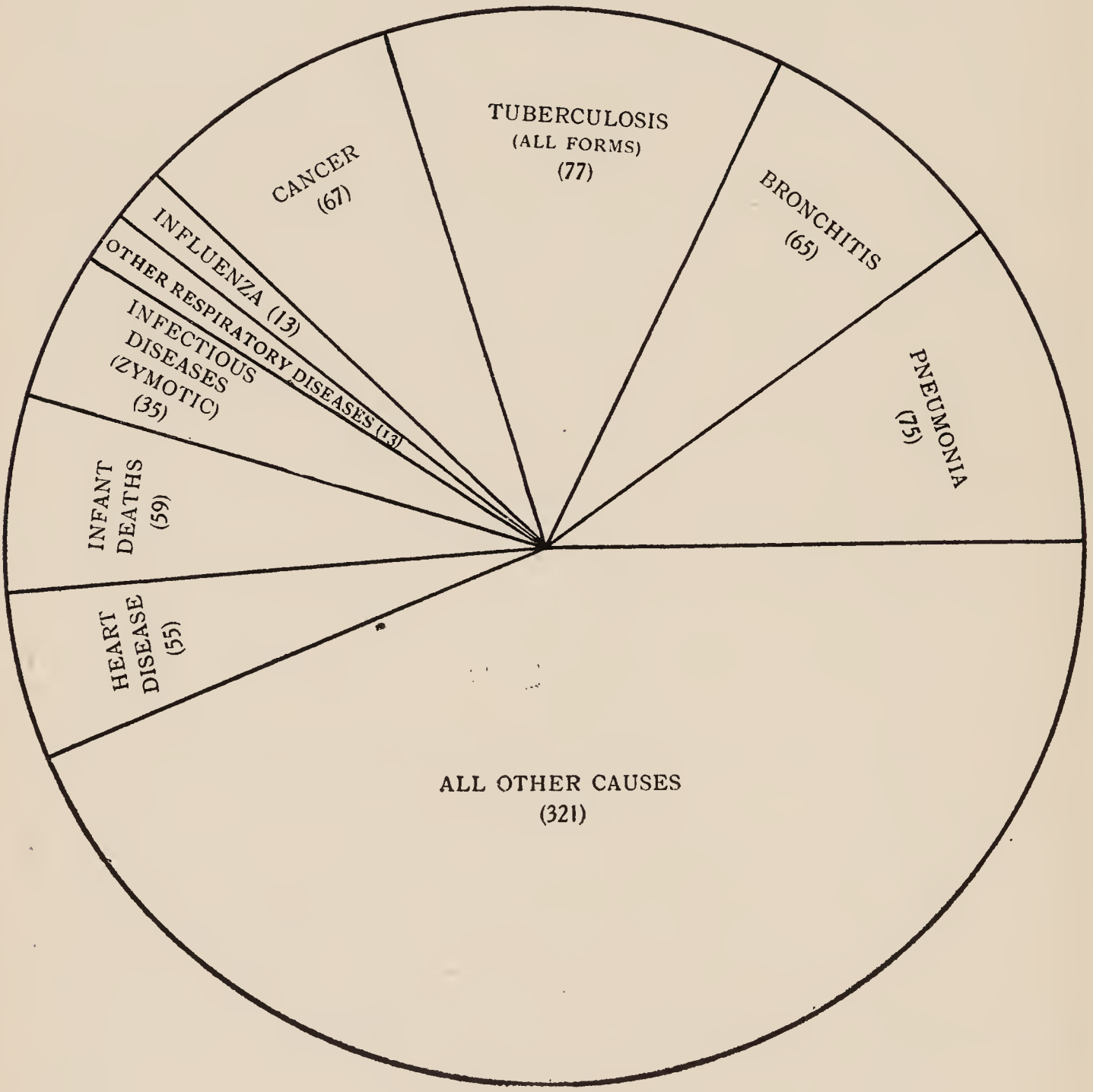
The corrected death-rate per 1,000 per annum is 10.98, as compared with 13.6 for 1922, 14.1 for 1921 and 14.5 for 1920.

The deaths and death-rates since 1911 are recorded in the Table given below :—

Year	West Hartlepool Number of Deaths	West Hartlepool Death Rate	England & Wales Death Rate
1911 ...	1,007 ...	15.64 ...	14.6
1912 ...	939 ...	14.89 ...	13.3
1913 ...	1,027 ...	15.98 ...	13.7
1914 ...	1,037 ...	15.9 ...	14.0
1915 ...	1,144 ...	17.6 ...	15.1
1916 ...	937 ...	14.41 ...	14.0
1917 ...	909 ...	13.9 ...	14.4
1918 ...	1,495 ...	21.9 ...	17.6
1919 ...	1,128 ...	16.1 ...	13.8
1920 ...	1,019 ...	14.5 ...	12.4
1921 ...	979 ...	14.1 ...	12.1
1922 ...	956 ...	13.6 ...	12.9
1923 ...	780 ...	10.98 ...	11.6

The actual number of deaths and the death-rate figures show a marked decrease for the year. The death rate is below the average for England and Wales, and is the lowest recorded since West Hartlepool became a County Borough.

In the following diagram is shewn the prominent causes of death. Infant deaths comprise only those dying from Malformation, Marasmus, Debility and Premature Births, the others being included under the respective causes of death.



From the above diagram it will be noticed that more than a third of the deaths are due to diseases of the chest. These are largely preventable, and much could be done to improve this state of affairs, if people would take more care of themselves when suffering from a common cold—which is, in fact, the first symptom of many diseases—and make some effort to get rid of it, instead of neglecting it altogether and spreading it amongst all those with

whom they come in contact. Then, and then only, will a great deal of unnecessary suffering and deaths from chest diseases be prevented.

The Ward distribution of the deaths and the Ward death rates are given in the next Table, for the years 1922 and 1923:

Ward	1922			1923		
	Estimated Population	Deaths	Death Rate	Estimated Population	Deaths	Death Rate
North ...	8,546	91	10.7	8,746	64	7.3
West	8,455	84	10.0	8,555	74	8.7
Park	8,839	76	7.6	8,939	79	8.7
South-West ...	10,699	116	10.9	10,809	95	8.8
South-East ...	9,477	133	14.1	9,577	66	6.9
Central	11,079	135	12.2	11,179	115	10.3
North-East ...	8,450	104	12.3	8,550	85	10.0
Seaton	4,475	38	8.6	4,575	37	8.2
Total ...	70,020	777		70,930	615	

Compared with the figures for 1922 it will be noted that there has been a marked decline in the numbers of deaths in the South East Ward, whereas the Park Ward is the only one which shows an increase.

INQUESTS AND UNCERTIFIED DEATHS.

Inquests during the year numbered 46, and 15 uncertified deaths were registered. The uncertified deaths were equal to 1.9% of the total deaths. The figures for last year were 36 and 21 respectively.

DEATHS OF WEST HARTLEPOOL RESIDENTS IN OTHER AREAS.

Institution	Males	Females	Total
Hartlepool Union Infirmary	77	58	135
Port Sanitary Hospital	1	3	4
Hartlepools Hospital	9	4	13
York County Asylum	2	1	3
County Asylum, Sedgefield	1	—	1
Other Areas	7	2	9
Total...	97	68	165

The causes of the deaths of the eleven persons resident in other areas who died in West Hartlepool, were as follow:

Pneumonia	Accidents	Heart Disease	Suicides	Other Causes	Total
1	5	1	1	3	11

INFANTILE MORTALITY.

The number of children who died before reaching one year of age was 160, comparable with 186 for the previous year, 921 for 1921, 225 for 1920, and 189 for 1919.

The infantile mortality rate is 91.9 per 1,000 births, while the rates for the three previous years were, 100.3, 95.9, and 102.9. The rate for England and Wales was 69.

With a low general death-rate one expects to find a low infant mortality rate. The death-rate of the Borough is low, the lowest on record, and so too is the infant mortality, but while the general death-rate is lower than that for England and Wales, the infant mortality rate is considerably higher. From these statis-

TABLE 1.—TABLE SHEWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH	Nett Deaths at the Subjoined Ages of "Residents" whether occurring within or without the District.															Total Deaths whether of "Residents or Non-Residents" in Institutions in the District	Increase or Decrease as compared with 1922
	ALL AGES	Under 1 year	1 and under 2	2 and under 3	3 and under 4	4 and under 5	5 and under 10	10 and under 15	15 and under 20	20 and under 25	25 and under 35	35 and under 45	45 and under 55	55 and under 65	65 and upwards		
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Measles	10	1	3	3	1	...	2	...	...	...	...	...	...	...	...	...	—15
Scarlet Fever	3	...	...	...	...	...	1	...	1	...	1	...	...	...	...	...	—1
Whooping Cough	5	4	1	...	...	...	...	...	...	...	...	...	...	...	...	...	—15
Diphtheria and Membraneous Croup ...	6	1	2	...	...	...	1	...	1	...	...	1	...	...	...	...	+1
Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—1
Fevers { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Fevers { Enteric	2	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	+1
Fevers { Other Continued ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Epidemic Influenza ...	13	1	...	...	...	...	...	...	1	1	...	1	3	2	4	...	—30
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Diarrhœa and Enteritis (under 2 years) ...	9	8	1	...	...	...	...	...	...	...	...	...	...	...	...	1	+1
Puerperal Fever ...	2	...	...	...	...	...	...	...	...	...	2	...	...	...	...	1	+1
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Other Septic Diseases ...	10	1	...	...	...	...	...	1	2	1	2	1	...	1	1	2	+6
Phthisis	55	...	...	1	1	1	1	4	13	7	8	5	10	4	...	1	—4
Tuberculous Meningitis ...	8	2	...	1	...	1	3	1	...	...	...	...	...	...	...	...	—2
Other Tuberculous Diseases	12	3	1	1	...	...	1	2	1	1	1	...	...	...	1	1	+2
Cancer, Malignant Disease	67	...	...	...	...	...	...	...	...	...	1	4	11	19	32	2	—15
Bronchitis	65	27	6	1	...	...	...	...	...	...	...	...	4	7	20	...	—24
Pneumonia	75	15	18	6	1	1	1	1	3	1	3	5	5	5	10	2	—29
Cerebro-Spinal Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Poliomyelitis	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	same
Pleurisy	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	—1
Other Respiratory Diseases	13	...	...	1	...	...	1	...	...	...	1	2	...	2	6	1	—6
Alcoholism and Cirrhosis of Liver	3	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	+2
Venereal Diseases ...	6	4	...	...	...	...	...	...	...	...	1	...	...	1	...	...	+4
Malformations	5	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	+1
Debility	15	15	...	...	...	...	...	...	...	...	...	...	...	...	...	1	—8
Marasmus	24	21	2	1	...	...	...	...	...	...	...	...	...	...	...	...	—2
Premature Births ...	18	18	...	...	...	...	...	...	...	...	...	...	...	...	...	1	—13
Diseases and Accidents of Parturition & Pregnancy	3	...	...	...	...	...	...	...	...	1	1	1	...	...	...	1	—3
Heart Disease	55	...	...	...	...	...	...	2	...	2	...	2	6	17	26	...	—20
Nephritis and Bright's Disease	20	...	...	...	...	...	...	...	...	...	2	3	5	7	3	...	—6
Other Violent Deaths ...	5	...	...	...	...	...	...	...	...	...	2	...	...	1	2	...	+5
Suicides	5	...	...	...	...	...	...	...	...	...	2	2	...	1	...	...	same
Accidents	16	1	1	...	1	...	...	...	...	...	1	1	1	3	7	2	—7
Appendicitis	3	...	...	...	...	...	...	...	...	...	1	...	1	1	...	2	—2
All Other Causes	245	33	3	2	6	1	2	3	...	1	10	14	20	33	117	13	+4
TOTAL NET DEATHS	780	160	39	17	10	4	13	14	23	16	39	42	66	105	232	31	—176

TABLE 2.—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARD								Transferable Deaths (Workhouse)	Other Transferable Deaths	Total
	North	West	Park	SoWest	SoEast	Central	N East	Seaton			
Small Pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	3	...	...	1	3	2	...	1	...	10
Scarlet Fever	1	...	1	...	...	...	...	...	...	1	3
Whooping Cough	2	...	1	...	...	1	...	1	...	...	5
Diphtheria and Membraneous Croup	1	...	...	1	1	...	1	...	1	1	6
Croup	...	...	...	...	...	...	...	...	...	...	...
Fevers { Typhus	...	...	...	...	...	...	...	...	...	...	...
Fevers { Enteric	...	1	...	1	...	...	...	...	...	...	2
Fevers { Other continued ...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	2	1	2	3	...	1	2	1	...	1	13
Cholera	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa and Enteritis (under 2 years)	...	1	1	4	...	1	2	...	...	...	9
Puerperal Fever	1	...	1	...	...	...	...	...	...	...	2
Erysipelas	...	...	...	...	...	...	...	...	...	...	...
Other Septic Diseases ...	...	3	3	...	1	...	...	1	...	2	10
Phthisis	4	4	5	6	5	9	7	1	14	...	55
Tuberculous Meningitis ...	...	...	...	3	...	1	2	...	2	...	8
Other Tuberculous Diseases ...	1	...	1	...	2	1	...	...	5	2	12
Cancer, Malignant Disease ...	5	7	5	11	3	15	8	6	4	3	67
Bronchitis	7	11	6	6	6	13	9	5	2	...	65
Pneumonia	5	4	6	8	8	13	11	7	10	3	75
Cerebro-Spinal Meningitis ...	...	...	...	...	...	...	...	...	...	...	...
Poliomyelitis	1	...	...	...	...	...	...	...	...	...	1
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...
Pleurisy	...	...	...	...	1	...	...	...	...	...	1
Other Respiratory Diseases ...	2	1	2	2	...	2	1	1	2	...	13
Alcoholism and Cirrhosis of Liver	...	...	...	3	...	...	...	...	...	...	3
Venereal Diseases	1	...	...	...	...	...	1	...	4	...	6
Malformation	...	1	...	1	1	2	...	...	...	...	5
Debility	1	2	1	1	4	2	2	1	...	1	15
Marasmus	1	2	3	3	4	5	5	1	...	...	24
Premature Births	3	3	3	3	2	2	2	...	...	...	18
Diseases and Accidents of Parturition and Pregnancy	1	...	...	...	...	...	1	...	...	1	3
Heart Disease	3	4	8	6	6	5	7	3	13	...	55
Nephritis and Bright's Disease	1	2	...	1	2	4	1	1	6	2	20
Other Violent Deaths ...	...	1	...	...	...	1	...	...	1	2	5
Suicides	...	...	1	...	1	1	1	...	...	1	5
Accidents	2	2	...	2	...	2	1	1	3	3	16
Appendicitis	...	2	...	...	...	1	...	...	...	...	3
All Other Causes	19	19	29	30	18	30	19	7	67	7	245
TOTAL NET DEATHS ...	64	74	79	95	66	115	85	37	135	30	780

tics it would appear that all our energies were being devoted to those above one year of age whilst the babies were being neglected. Much, however, is being done for the latter through the instrumentality of the Health Visitors and the Welfare Centres (see Tables on page 64) to educate and train mothers whose old-fashioned ideas are deep-rooted, to get rid of the grandmotherly influences and experiences which date back to the time when it was a case of the survival of the fittest, is a work which requires a tremendous amount of tact and infinitely more patience than the average man realises. The results of such propaganda and work only show themselves after, in many cases, considerable periods of time, but one gratifying fact stands out in the 1923 figures, and that is that the infantile mortality amongst babies attending the Centres is 45.1 per 1,000 against 105.8 per 1,000 for babies who had not attended the Centres. When one considers that the children attending the Centres are from the poorest quarters of the town, it will be realised that something has been done, and also that a great deal remains to be done for the other babies of West Hartlepool.

INFANTILE MORTALITY RATES

	West Hartlepool Rate	England and Wales Rate
1912	103	95
1913	136	109
1914	111	105
1915	153	110
1916	112	91
1917	102.7	97
1918	167.4	97

Year	West Hartlepool Rate	England and Wales Rate
1919	112.7	89
1920	102.9	80
1921	95.9	83
1922	100.3	77
1923	91.9	69

The rate for the 105 great towns in England and Wales was 72.

A list showing the principal causes of death amongst the infants, for the years 1922 and 1923, is given in the Table below :

Disease	Number of Deaths 1922	1923	Increase or Decrease as compared with 1922
Atrophy, Debility, etc. ...	49 ...	36 ...	—13
Premature Births	31 ...	18 ...	—13
Bronchitis	29 ...	27 ...	—2
Pneumonia	22 ...	15 ...	—7
Measles	7 ...	1 ...	—6
Gastritis and Enteritis ...	8 ...	9 ...	+1
Convulsions	13 ...	15 ...	+2
Tuberculosis (all forms) ...	3 ...	5 ...	+2
Whooping Cough	6 ...	4 ...	—2
All other causes	18 ...	30 ...	+12
Total	186 ...	160	—26

The sexes of the children who died were :—

	1923	1922	1921
Males ...	90 ...	106 ...	114
Females ...	70 ...	80 ...	78
	160	186	192

TABLE 3.—INFANT MORTALITY DURING THE YEAR 1923.

Deaths from stated causes at various ages under 1 year of age.

CAUSE OF DEATH	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total Deaths under 1 year
Chicken Pox	...	...	...	...	...	...	...	...	...	...
Small Pox	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	1	1
Scarlet Fever	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	2	2	...	4
Diphtheria and Membraneous Croup	...	...	...	...	...	...	...	1	...	1
Erysipelas	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...	...	...	...	...	...	1	...	1	...	2
Other Tuberculous Diseases ...	...	...	...	...	...	...	1	1	1	3
Meningitis (not Tuberculous)..	...	...	...	...	...	...	1	...	...	1
Convulsions	3	3	1	...	7	4	1	1	2	15
Laryngitis	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	1	1	8	4	7	7	27
Pneumonia	...	...	...	...	...	1	2	8	4	15
Diarrhœa	1	...	...	...	1	...	...	...	...	1
Enteritis	...	...	...	2	2	2	2	1	...	7
Gastritis	...	...	...	...	...	1	...	...	...	1
Syphilis	...	...	1	...	1	2	...	1	...	4
Rickets	...	...	...	...	...	...	...	...	2	2
Suffocation (Overlying) ...	1	...	...	...	1	...	1	...	...	2
Injury at Birth	3	1	...	...	4	...	...	...	...	4
Atelectasis	3	...	...	...	3	...	...	...	...	3
Congenital Malformation ...	3	...	...	...	3	1	...	1	...	5
Premature Birth	9	4	1	1	15	2	1	...	...	18
Atrophy, Debility, and Marasmus	11	7	4	1	23	9	1	2	1	36
Other Causes	4	...	...	...	4	...	2	2	...	8
Totals	38	15	7	5	65	31	18	28	18	160
All Causes — Certified	38	14	7	5	64	30	18	28	16	156
All Causes — Uncertified	...	1	...	...	1	1	...	...	2	4

The Ward distribution of the Infant deaths was as follows :—

DISEASE	North	West	Park	South West	South East	Central	North East	Seaton	Deaths in Workhouse	Other Transfer'ble Deaths	TOTAL
Atrophy, Debility and Marasmus	2	4	4	3	7	7	7	1	—	1	36
Premature Births	3	3	3	3	2	2	2	—	—	—	18
Bronchitis ...	5	3	2	2	1	7	2	5	—	—	27
Pneumonia ...	2	1	—	1	1	4	1	3	2	—	15
Measles	—	—	—	—	—	—	1	—	—	—	1
Gastritis and Enteritis ...	—	1	1	3	1	1	2	—	—	—	9
Convulsions ...	1	1	—	1	3	2	4	2	—	1	15
Tuberculosis ...	—	—	—	1	—	—	—	—	3	1	5
Whooping Cough	2	—	1	—	—	—	—	1	—	—	4
All other causes ...	3	2	3	5	3	6	6	—	2	—	30
Total ...	18	15	14	19	18	29	25	12	7	3	160

Sanitary Circumstances of the District.

WATER SUPPLY TO THE BOROUGH.

Two samples of Company's water and one sample of well water were obtained and forwarded for analysis during the year.

All the samples were satisfactory.

DRAINAGE AND SEWERAGE.

DRAIN TESTING.

The number of drain tests made during the year was 157. Water tests in connection with the conversion of privy middens,

etc., to water closets, numbered 149; and smoke tests as a result of complaints, etc., 8.

The total tests, set out in the various Wards, are given below:

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
8	46	24	46	9	16	7	1	157

45 drains, in addition to above, were examined.

CLOSET ACCOMMODATION.

The approximate number of closets of each type in the Borough, at the end of the year, was:—

		Number
Number of	Privies (fixed receptacles)...	1,685
,, ,,	Privy Pans (movable receptacles) ...	565
,, ,,	Water Closets	11,811
,, ,,	Hand-flushed Closets	3
	Total ...	14,064

CONVERSIONS.

The number of conversions from privy middens and privy-pans to water-closets is proceeding very slowly. Such receptacles necessitate considerable expense in connection with night removal and are in all respects unhygienic. At the end of the year a scheme was being formulated whereby all privies and privy-pans would be converted to the water-carriage system. In the mean-time the Corporation are allowing £4 to owners of property towards their expense of carrying out conversions.

CONVERSION OF ASHPITS INTO CIRCULAR ASHPANS.

Conversion of ashpit to circular pan	7
Privies abolished and ashpit altered to circular pan	1
Total ...	8

156 conversions took place during the year; 78 privy ashpits were converted into water-closets and circular pans, and 78 privy pans were similarly converted.

The Ward distribution of the conversions is as follows:—

Wards	Privy Ashpits converted to water-closets & ashbins	Privy Pans converted to water closets & ashbins
North	1	6
West	12	34
Park	13	10
South-West	21	20
South-East	11	3
Central	13	3
North-East	6	2
Seaton	1	—
Total ...	78	78

Circular pans were provided in all the above cases.

No additional water-closets were provided.

The conversions which have taken place since 1912 are shown below:—

	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	Total
Number	223	724	254	79	18	8	8	76	187	204	131	156	2,068

SCAVENGING.—DISPOSAL OF HOUSE REFUSE.

TABLE 4.—REFUSE COLLECTED AND DISPOSED OF.

Year ended 31st December, 1923	NUMBER OF LOADS COLLECTED					NUMBER OF LOADS DESTROYED	
Month	Night	Day	Total	Taken to Farms	Taken to Destr.	Sundry	Total including Destr.
January	444	1108	1612	258	1354	149	1503
February	440	1100	1540	279	1261	107	1368
March	552	1414	1966	361	1605	165	1770
April	440	1151	1591	271	1320	134	1454
May	405	1127	1532	197	1335	108	1443
June	488	1274	1762	261	1501	154	1635
July	373	931	1304	202	1102	144	1246
August	318	884	1202	230	972	205	1177
September	466	1178	1644	271	1373	209	1582
October	348	1030	1378	249	1129	166	1295
November	353	1162	1515	269	1246	103	1349
December	456	1545	2001	485	1516	66	1582
	5083	13964	19047	3333	15714	1710	17424

SANITARY INSPECTION OF THE DISTRICT.

Inspections were made as follows :—

TABLE 5.

Number		
4,472	Visits	to Dwelling-houses, Shops and other premises.
146	,,	Factories and Workshops.
81	,,	Bakehouses.
69	,,	Houses-let-in-Lodgings.
53	,,	Common Lodging Houses.
29	,,	Dairies, Cowsheds and Milkshops.
294	,,	Fish, Fruit and Meat Shops.

160 visits to Abattoir.

149 Drains tested with water.

8 ,, ,, ,, smoke.

45 ,, examined.

158 Complaints attended to.

1,033 Informal Notices served.

219 Statutory Notices served.

Defects or Nuisances discovered and dealt with are given below :

TABLE 6.

	Number Reported
Drain not properly trapped	4
,, defective	16
,, stopped	75
Dirty dwellings and workshops	43
Defective yard pavements	68
,, spouts and fall-pipes	391
,, dwelling-house roofs	230
,, and dilapidated dwellings	58
,, privies and ash-pits (converted into water-closets, etc.)	129
Dirty and defective bake-houses	5
Defective water closets	117
Accumulation of manure	14
Animals improperly kept	32
Defective or absent dust-pans	277
,, ash-closet doors	211
Dirty rain-water wells	85
No supply of drinking water	37
Other nuisances	835
Total	2,627

No legal proceedings were taken to enforce the remedying of any of the above defects.

PREMISES CONTROLLED BY BYE-LAWS.

	Number
Fried Fish Dealers	70
Marine Stores	7
Gut Scrapers	2
Tripe Boilers	4
Tallow Melters	5
Bone Boilers...	1
Common Lodging Houses	10
Registered Houses Let-in-Lodgings	31
Cowsheds and Retail Purveyors of Milk ...	73
Slaughter Houses	1

COMMON LODGING HOUSES.

The number of these on the Register at the end of the year remained the same as in 1922, namely, 10 ; and of these 7 are registered under Section 69 (2) of the Public Health (Amendment) Act, 1907.

In respect of these premises, there were no infringements of the Bye-laws.

In the Table below, the situation of these houses, with the number of rooms and lodgers, is given :—

Situation	Registered No. of Lodgers	No. of Rooms
18, Rokeby Street	18 ...	6
138, Burbank Street	33 ...	8
23, St. John Street	18 ...	5
7, Tennant Street	30 ...	8
3, Redworth Street	17 ...	3
16, Mainsforth Terrace	56 ...	23
2, Edward Street	22 ...	4
29, George Street	11 ...	3
26, George Street	6 ...	2
15, Mainsforth Terrace	20 ...	7
Total	231 ...	69

HOUSES-LET-IN-LODGINGS.

Houses-let-in-lodgings at the end of the year numbered 31, and to these 69 visits were made.

FOOD.

MILK SUPPLY.

There is only one cow-shed in the Borough, with accommodation for 15 cows.

WHOLESOMENESS OF THE MILK.

Milk samples to the number of 49 were taken during the year for analysis, eight of which were adulterated or below standard.

In the Table below, the milks adulterated or below standard, are shown :—

TABLE 7.

No. of Sample	Article	Result of Analysis	Remarks
21	Milk	Slightly below standard	Vendor cautioned
22	,,	,, ,, ,,	,, ,,
23	,,	,, ,, ,,	,, ,,
46	,,	,, ,, ,,	,, ,,
66	,,	Deficient in non-fatty solids corresponding to an addition of 8.60% of water	Proceedings instituted fined 10/–
76	,,	Slightly below standard	Vendor cautioned
77	,,	,, ,, ,,	,, ,,
78	,,	,, ,, ,,	,, ,,

MARGARINE.

No samples of margarine were taken during the year under review.

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.

On the Register at the end of the year there were 72 retail purveyors of milk, and one cowshed, and to these premises 29 visits were paid.

Eight retail purveyors of milk made application and were placed on the Register, and one was removed from the same.

TUBERCULOUS MILK.

No samples of milk were taken for this purpose during the year.

MILK & CREAM REGULATIONS, 1912–17.

Milk samples to the number of 49, and 4 preserved cream, were analysed under the above regulations.

None of the milk samples contained preservatives. The four cream samples contained the following amounts of boron preservative as boric acid :—

No. of sample	Amount of boric acid	Remarks
30	.30%	No declaratory label attached.—Vendor cautioned.
92	.398%	—
93	.523%	Legal Proceedings taken.
94	.372%	—

THE LOCAL AUTHORITIES' MILK (MOTHERS AND CHILDRENS) RECISSION ORDER, 1921.

To necessitous cases, the amount of milk and the number of dinners, together with the cost of same, is shown below :—

Food	Cost
1,342 pints of fresh milk ...	£14 6 7
289 lbs. of dried milk ...	19 7 5
153 dinners	7 13 0
	£41 7 0

OTHER FOODS.

To premises where food is prepared, stored or exposed for sale, 294 visits were paid.

In the Table below is shown the food surrendered and destroyed as unfit for human consumption :—

1 Leg of Pork.	4 Crates Peaches.
26 lbs. Lamb Livers.	5 tins Peaches.
7 6-lb. tins Corned Beef.	1 tin Pears.
22½ lbs. Chilled Beef.	4 tins Pineapple.
5 6-lb. tins Tongue.	8 tins Tomatoes.
187 lbs. Frozen Beef.	5 tins Apricots.
3 tins Salmon.	64 tins Evaporated Milk.
9 Ox Tails	191 tins Condensed Milk.
1 tin Bristling.	2 bottles Pickles.
2 tins Boiled Rabbit.	1 tin Baked Beans.
1 tin Crab.	1 tin Lobster.

CLEANLINESS OF DRINKING AND EATING UTENSILS, ETC.

The most common route by which bacteria gain access to the human body is by way of the mouth, either in the process of breathing or by eating and drinking, and to the latter special attention has been directed by the Department. It is a well-known fact that scarlet fever and diphtheria, syphilis, tuberculosis and the various types of lung trouble are all capable of being passed from one person to another by way of eating and drinking utensils if these are not adequately washed after usage. All patients known to be suffering from these diseases are advised to keep special utensils for their own personal use and thoroughly cleanse them after use. Such measures are easily carried out in their own homes, but what about the large number of people who are carrying disease around with them and who are possibly unaware of the existence of their complaint. They mix freely with healthy persons and join them in hotels, restaurants, and public houses ; all places where cups and glasses are used by others. It is there-

fore essential to the health of the locality that such establishments should thoroughly cleanse these utensils, and to do this they require hot or boiling water for washing purposes. Unfortunately, there are some places in this town where the iniquitous system of "dipping and allowing to drain" prevails, and others where they are content to use cold water for washing purposes.

With these facts in view, demonstrations were given to the licensed victuallers and the restaurant keepers on a piece of apparatus (designed by the Manchester Health Department and manufactured by a Warrington firm) for the purpose of sterilising glasses and dishes.

The attendances were disappointing and the general attitude was mainly hostile. The principal arguments put forward were:

(1) That the process required too much time (i.e., about a minute for one dozen glasses).

(2) That the glasses took too long to cool; and

(3) That beer could not be put into warm glasses without losing its "head." They admitted that a greasy mouth or moustache would turn the beer "flat," but they would not admit that hot water was necessary to remove grease from the glass.

Just as the public expect to get clean bread, sound meat and food, so are they entitled to clean eating and drinking utensils for the consumption of that food.

BAKEHOUSES.

The number of Bakehouses on the Register was 58, and 81 visits were paid to this class of business.

DISEASE IN MEAT.

At the Abattoirs, the diseased animals condemned, wholly or partially, are shown in the following Tables:

Animal	DISEASE						Destroyed	Total
	Tuber-culosis	Septic-aemia	Inflam-mation	Jaundice	Found Dead	Suff'cated in pen		
Beasts ...	4	1	—	—	—	—	} Carcases	5
Sheep ...	—	—	1	—	1	1		3
Pigs ...	3	—	—	1	—	—		4
Totals ...	7	1	1	1	1	1	—	12

Animals	DISEASE								Destroyed	Total
	Tuber-culosis	Abscesses	Flukes	Inflam-mation	Cysts	Pleurisy	Necrosis	Injuries		
Beasts ...	38	68	96	2	4	2	—	1	} Affected portions	211
Sheep ...	—	1	36	3	2	—	—	—		42
Pigs ...	7	6	—	34	16	—	1	—		64
Totals	45	75	132	39	22	2	1	1	—	17

ARRANGEMENTS FOR INSPECTION.

In only one case was action taken under Section 117 of the Public Health Act, 1875, but it was not necessary in this instance to take legal proceedings.

For the past five years, the animals slaughtered at the Abattoirs are enumerated in the next Table :—

Animals Slaughtered	1919	1920	1921	1922	1923
Beasts ...	3,407	3,527	2,786	2,986	2,924
Sheep & Lambs	14,803	7,815	10,087	9,371	8,165
Calves	135	428	224	239	401
Pigs	2,704	3,527	6,385	5,868	5,186

SALE OF FOOD AND DRUGS ACTS.

132 samples were taken during 1923, 12 of which were adulterated or below standard.

In the following Table the particulars of the samples are set out:—

TABLE 8.

Article	Number taken	Genuine	Doubtful	Adulterated or below standard
Milk	49	41	— ...	8
Dried Milk	3	3	— ...	—
Preserved Cream	4	3	— ...	1
China Tea	2	2	— ...	—
Butter	14	14	— ...	—
Lard	6	6	— ...	—
Pepper	2	2	— ...	—
Jams	1	1	— ...	—
Marmalade	1	1	— ...	—
Ground Rice	4	4	— ...	—
,, Almonds	2	2	— ...	—
Baking Powder	3	3	— ...	—
Purified Borax	4	4	— ...	—
Malt Vinegar	1	1	— ...	—
Custard Powder	1	1	— ...	—
Bun Flour	1	1	— ...	—
Self-raising Flour	1	1	— ...	—
Flour	3	3	— ...	—
Instant Postum	1	1	— ...	—
Sponge Cakes	1	1	— ...	—
Mincemeat	2	2	— ...	—
Beef Dripping	1	1	— ...	—
Camphorated Oil	3	3	— ...	—
Olive Oil	1	1	— ...	—

Article	Number taken	Genuine	Doubtful	Adulterated or below standard
Blue Ointment	1	1	— ...	—
Gelatine	1	1	— ...	—
Tinned Salmon	1	1	— ...	—
Brawn	2	2	— ...	—
Tinned Crab	1	1	— ...	—
Tinned Peas...	1	1	— ...	—
Ice Cream	1	1	— ...	—
Beef & Malt Wine	1	—	— ...	1
Wincarnis	1	1	— ...	—
Headache Powders	1	1	— ...	—
Whisky	4	3	— ...	1
Rum	4	4	— ...	—
Gin	1	1	— ...	—
Brandy	1	—	— ...	1
Totals	132	120	— ...	12

SUMMARY OF SAMPLES TAKEN.

	No. of Samples
First Quarter	26
Second Quarter	39
Third Quarter	31
Fourth Quarter	36
Total	132

In addition to the samples given in Table 7, the following were also found not to be genuine:

TABLE 9.

No. of Sample	Article	Result of Analysis	Remarks
59	Beef and Malt Wine	... Deficiency of at least 6.00% of Proof Spirit	Vendor cautioned
93	Preserved Cream	... Contains ·123% of Boric Acid in excess of allowed maximum corresponding to 30·75% of Boric Acid over the limit	Legal proceedings taken. Third portion of sample sent to Somerset House, who reported ·55% of Boric Acid. Case withdrawn on payment of £3 3s. costs
119	Whisky	... Slightly below standard	Vendor cautioned
122	Brandy	... 40·63 degrees under proof	Legal proceedings taken. Defendant to put £1 in poor box and pay costs

Prevalence of and Control over Infectious Diseases.

INFECTIOUS DISEASES.

The notifications received were:

Disease	Number of Cases Notified
Scarlet Fever	167
Diphtheria	37
Erysipelas	18
Ophthalmia Neonatorum	24
Typhoid Fever	5
Acute Anterior Poliomyelitis	3
Puerperal Fever	9
Dysentery	1
Pneumonia	110
Pulmonary Tuberculosis	100
Other Tuberculous Diseases	64
Total ...	538

The Education Authority reported the following non-notifiable diseases :—

	Number of Cases
Measles	52
Chicken Pox	108
Whooping Cough	94
Mumps	16
Total ...	270

Shown below are the deaths from the more important infectious diseases for the past three years :—

Disease	Number of Deaths		
	1921	1922	1923
Typhoid Fever	6 ...	1 ...	2
Measles	12 ...	25 ...	10
Scarlet Fever	3 ...	4 ...	3
Whooping Cough	8 ...	20 ...	5
Diphtheria and Croup	7 ...	5 ...	6
Influenza	25 ...	43 ...	13
Erysipelas	1 ...	— ...	—
Pulmonary Tuberculosis	77 ...	59 ...	55
Other forms of Tuberculosis	23 ...	20 ...	20
Diarrhœa and Enteritis (under 2 years)	34 ...	8 ...	9

ZYMOTIC DEATH RATE.

The deaths from the seven principal zymotic diseases are given below :—

	Number of Deaths
Small-pox	—
Typhoid Fever	2
Scarlet Fever	3
Diphtheria	6
Measles	10
Whooping Cough	5
Diarrhœa	9
Total ...	35

The zymotic death-rate per 1,000 of the population is .49, the rates for 1922 and 1921 being .9 and 1.01 respectively.

SMALLPOX.

Smallpox was epidemic in various parts of the country throughout the year, but again, fortunately, the Borough did not receive a visitation from this disease.

VACCINATION.

To Mr. Nicholson, Vaccination Officer, I am indebted for the following figures:—

	Number
Births registered	1,745
Successfully Vaccinated	1,113
Conscientious Objectors	346
Died Unvaccinated	104
Insusceptible	3
Postponed by Medical Certificate	58
Removed to other districts	8
Lost sight of	19
Still under Notice	94

The conscientious objectors this year number 346, or 19.8% of the total births remain unvaccinated, which, although less than that for the previous year, is still very much too high. In spite of the warnings given in the Press and by doctors up and down the country, these unvaccinated births go on year after year, and it is certainly time that the Government abolished the Conscientious Clause in the Vaccination Act.

The percentages of unvaccinated children for the past seven years, are as follows:—

Year	Percentage
1917	24.7%
1918	25.9%
1919	20.3%
1920	26.1%
1921	28.3%
1922	25.3%
1923	19.8%

TYPHOID FEVER.

Notifications of this disease numbered 5, none of whom were removed to hospital. Two of the cases died.

In one instance—a sea-going engineer—the disease was thought to have been contracted in a South American port ; and in another (the patient dying) there was a history of a diet of lemonade, ice-cream, watercress, cockles and tinned rabbit. In the other three cases there was no history.

The monthly incidence of the disease was as follows :—

February	May	July	August	Total
2	1	1	1	5

The deaths and death-rates in West Hartlepool and England and Wales for the past 5 years, are given in the following Table :

	West Hartlepool		England & Wales	
	No. of Cases	Deaths	Death Rate	Death Rate
1919 ...	4 ...	1 ...	.01 ...	.01
1920 ...	5 ...	2 ...	.02 ...	.01
1921 ...	8 ...	6 ...	.08 ...	.02
1922 ...	3 ...	1 ...	.01 ...	.01
1923 ...	5 ...	2 ...	.02 ...	.01

SCARLET FEVER.

During the year, 167 cases of Scarlet Fever were notified, compared with 96 for the previous year; 143 in 1921; 230 in 1920, and 506 in 1919.

There was no evidence of the disease being spread from the schools or of milk-borne disease.

Deaths numbered 3, equivalent to a mortality rate of 1.79 and a death-rate of .04 per 1,000. The death-rate for Erglard and Wales was .03.

The Ward distribution of the cases and deaths was as follows :—

	North	West	Park	S.West	S. East	Central	N. East	Seaton	Port Sanitary Hospital	Total
No. of Cases	33	18	11	33	24	10	7	31	—	167
No. of Deaths	1	—	1	—	—	—	—	—	1	3

The ages and deaths of the patients notified were :—

Age	No. of Cases	No. of Deaths
Under 1 year ...	—	—
1–2 years	4	—
2–3 ,, ...	8	—
3–4 ,, ...	8	—
4–5 ,, ...	8	—
5–10 ,, ...	63	1
10–15 ,, ...	53	1
Over 15 ,, ...	23	1
Total	167	3

Institutional treatment at the Port Sanitary Hospital was received by 103 of these patients, or 61.6% of the total number notified.

There were three return cases.

Sixteen "secondary" cases occurred in 16 households. Of these 16 families, the first case in ten instances was removed to hospital, and the remaining six were nursed at home.

Three children were discovered by the Inspectors showing signs of the disease before the parents had called in a doctor. The type of the outbreak was mild, and it is highly probable that there were a number of undetected and un-notified cases in the town.

DIPHTHERIA.

37 cases of this disease were notified, the figures for the two previous years being 20 and 39.

Deaths from Diphtheria numbered 6, equivalent to a mortality rate of 16.2; and a death-rate of .08. The death-rate for England and Wales was .07.

The cases and deaths in the various Wards are shewn below:

	North	West	Park	S.West	S. East	Central	N.East	Pt.Sanitary Seaton	Other Hosp.	Trans-ferable Deaths	Total
Cases	5	3	6	6	5	6	3	3	—	—	37
Deaths	1	—	—	1	1	—	1	—	1	1	6

The ages, and age at death of the patients suffering from this disease, were:—

Age	No. of Cases	Deaths	Percentage of Deaths to Cases
Under 1 year ...	1	1	100%
1–2 years ...	3	2	66.6%
2–3 ,, ...	4	—	—
3–4 ,, ...	2	—	—
4–5 ,, ...	4	—	—
5–10 ,, ...	12	1	8.3%
10–15 ,, ...	4	—	—
15 years and upwards	7	2	28.5%
Total	37	6	16.2%

The number of cases receiving treatment in the Port Sanitary Hospital was 16 ; one of whom died, whereas four of those nursed at home died.

There were two "secondary" cases and no "return" cases.

The medical practitioners, in the treatment of these cases, used 384,000 units of Diphtheria Antitoxin. This amount works out at 10,378 units per patient. 100,000 units were given free and 284,000 paid for.

The number of swabs examined in the Laboratory at the Health Department was 65 ; 13 of these being positive and 52 negative.

MEASLES AND GERMAN MEASLES.

The number of cases of Measles discovered by the Education Authority and Health Visitors was 52, and there were ten deaths. The mortality rate was 19.2 and the death-rate per 1,000 of the population, .14, the rate for England and Wales being .14.

The distribution of the deaths in the various Wards was as follows :—

West	S. East	Central	N. East	Trans.	Deaths	Total
3	1	3	2	1		10

The deaths at the different age groups are shown below :—

Under 1 year	1-2 years	2-3 years	3-4 years	5-10 years	Total
1	3	3	1	2	10

DIARRHŒA AND ENTERITIS.

The children dying under 2 years of age from these diseases numbered 9, equal to a death-rate of .12 per 1,000 per annum.

The deaths for the past five years are shown below :—

	1919	1920	1921	1922	1923
No. of deaths ...	16	21	34	8	9

The monthly incidence of the deaths is given below :—

March	May	June	August	October	November	December	Total
1	1	2	1	1	1	2	9

WHOOPING COUGH.

The Education Authority reported 94 cases. The deaths numbered 5, the percentage mortality rate being 5.3, and the death-rate .07 per 1,000.

The deaths resulting from Whooping Cough for the past 5 years, were :—

	1919	1920	1921	1922	1923	Total
Deaths ...	5	16	8	20	5	54

The deaths occurred at the following ages :—

Under 1 year	1-2 years	Total
4	1	5

ERYSIPELAS.

The notifications of this disease were 18, and they occurred in the following Wards :—

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
—	5	4	3	1	1	3	1	18

No deaths took place from Erysipelas.

CEREBRO-SPINAL MENINGITIS.

No cases of this disease were notified.

ACUTE ANTERIOR POLIOMYELITIS.

Three notifications of Poliomyelitis were received and one death took place. The following particulars relate to these cases :

Sex	Age	Notified	Hospital	Source of Infection	Result
F.	18 months	March	No	Unknown	Recovered. Paralysis of leg
M.	18 months	June	No	Unknown	Recovered
F.	9 months	Nov.	No	Unknown	Died

ENCEPHALITIS LETHARGICA AND POLIOENCEPHALITIS.

There were no cases.

INFLUENZA.

Thirteen deaths occurred from Influenza, as compared with 43 for the previous year.

The death-rate was .18 per 1,000 per annum.

The monthly incidence of the deaths was as follows:—

January	February	March	April	May	June	July	August	Sept'r	Oct'r	Nov'r	Dec'r	Total
1	1	2	—	—	1	1	—	2	1	1	3	13

The weekly summary of the deaths from Influenza, Bronchitis and Pneumonia, is shown in the next Table.

MALARIA, DYSENTERY AND TRENCH FEVER.

There was one case of Dysentery notified.

DETAILS OF DISINFECTION.

	Number
Rooms Disinfected (Infectious cases) ...	382
,, ,, (Vermin)	59
Total ...	441

The 441 rooms represented 359 houses disinfected.

By steam under pressure the following articles were disinfected:

Article	Number
Beds	697
Pillows and Bolsters	2,214
Carpets and Rugs	339
Articles of Clothing	771
Sheets, Blankets and Quilts	1,640
Cushions	111
Sundry Articles	608
Total	6,380

97 articles were removed and destroyed from infected houses.

109 of the 359 houses were disinfected either after a removal or death from Tuberculosis.

TABLE 10.

Week ending—

Disease	6th Jan.	13th Jan.	20th Jan.	27th Jan.	3rd Feb.	10th Feb.	17th Feb.	24th Feb.	3rd Mar.	10th Mar.	17th Mar.	24th Mar.	31st Mar.	7th Apr.	14th Apr.	21st Apr.	28th Apr.	5th May	12th May	19th May	26th May	2nd June	9th June	16th June	23rd June	30th June	7th July
Influenza				1					1	1	1													1			
Pneumonia		3	4	3	3	3	4	2	3	2	4			2	4	4	1	4				1		1	2	1	2
Bronchitis	2	4	4	6	4	3	5	4	2							2		1			1		1		1		1
Total	2	7	8	10	7	6	9	6	6	3	5			2	4	6	1	5			1	1	1	2	3	1	3

Week ending—

Disease	14th July	21st July	28th July	4th Aug.	11th Aug.	18th Aug.	25th Aug.	1st Sept	8th Sept	15th Sept	22nd Sept	29th Sept	6th Oct.	13th Oct.	20th Oct.	27th Oct.	3rd Nov.	10th Nov.	17th Nov.	24th Nov.	1st Dec.	8th Dec.	15th Dec.	22nd Dec.	29th Dec.	30/31 Dec	Tot'l
Influenza	1							1			1		1								1	2				1	13
Pneumonia	1		2	1			2	2	2	1			2			1		2		2	2		2				75
Bronchitis	2	1				1		1	2					1		1		3	2		2	4	1		3		65
Total	4	1	2	1		1	2	4	4	1	1		3	1		2		5	2	2	5	6	3		3	1	153

CONTAGIOUS DISEASES OF ANIMALS.

Mr. Benjamin Hoadley, M.R.C.V.S., Veterinary Surgeon to the Corporation, reports as follows :—

"There have been 8 cases of Swine Fever (suspected, 2 positive and 6 negative); 2 cases of Parasitic Mange ('Sarcoptic'); 1 case of Foot and Mouth Disease, and 2 cases of suspected Foot and Mouth Disease. The above are the only cases coming under the Contagious Diseases of Animals Act during the year."

Tuberculosis.

SANATORIA.

Adult patients were treated during the year in the Blencathra and Barrasford Sanatoria; while the children were sent to Stannington.

PULMONARY TUBERCULOSIS.

The number of notified cases of Pulmonary Tuberculosis was 100.

Notifications and deaths since 1912 are shewn below :—

	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	Total
Notifications	164	211	112	127	104	134	175	134	91	130	104	100	1,584
No. of Deaths	67	71	70	69	60	70	75	70	55	77	59	55	798
Death-rate ...	1.04	1.09	1.07	1.06	.92	1.07	1.1	1.0	.78	1.1	8.4	.77	—

NOTIFICATIONS.

The Wards in which the cases were distributed were as follows :—

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
10	11	11	15	21	18	11	3	100

The ages of the patients notified and the age at which death occurred of those notified and dying in 1923, are given below ;—

Ages	Cases Notified	Deaths Registered	Percentage Mortality
Under 5 years ...	5	3	60%
5 to 10 ,, ...	8	1	12.5%
10 to 15 ,, ...	9	3	33.3%
15 to 20 ,, ...	18	7	39%
20 to 25 ,, ...	12	2	16.6%
25 to 35 ,, ...	20	3	15%
35 to 45 ,, ...	8	2	25%
45 to 55 ,, ...	9	2	22.2%
55 to 65 ,, ...	10	4	40%
65 and upwards ...	1	—	—
Total ...	100	27	27%

Of the notifications received, 49 were males and 51 females, and of these 13 males and 14 females died in 1923, equivalent to a percentage mortality of 26.5 and 27.4 respectively.

The ages at which those persons who were notified in previous years and who died during the year under review, are shewn in the next Table :—

Under 5 years	5-10 years	10-15 years	15-20 years	20-25 years	25-35 years	35-45 years	45-55 years	55-65 years	65 and upwards	Total
—	—	1	6	5	5	3	8	—	—	28

Of the patients who were notified and died in 1923, 5 died before notification and 13 within 3 months, and 1 person was notified late in 1922 and died within 3 months of notification.

OTHER FORMS OF TUBERCULOSIS.

The notifications numbered 64 and the deaths resulting from these diseases, 20. The death-rate was .28 per 1,000 per annum.

The various Wards in which the cases occurred were as follows :—

North	West	Park	S.West	S. East	Central	N. East	Seaton	Total
5	9	8	18	10	6	5	3	64

The age incidence of the notified cases and deaths is given below :—

Ages	Notified Cases 1923	Mortality amongst these cases	Percentage mortality	Notified Cases previous to 1923
Under 5 years ...	16	4	25%	5
5 to 10 ,, ...	20	3	15%	1
10 to 15 ,, ...	9	3	33.3%	—
15 to 20 ,, ...	6	—	—	1
20 to 25 ,, ...	6	—	—	1
25 to 35 ,, ...	1	—	—	1
35 to 45 ,, ...	2	—	—	—
45 to 55 ,, ...	3	—	—	—
55 to 65 ,, ...	1	—	—	—
65 years and upwards	—	—	—	1
Total ...	64	10	15.6%	10

Ten of the 64 cases notified in 1923, died ; six of these being notified after death and four within 3 months of notification.

The sex distribution of the cases was 34 males and 30 females, and of these six males and four females died, equal to a percentage mortality of 17.6 amongst the males and 13.3 amongst the females.

The notifications and deaths since 1916 are shown in the next Table :—

	1916	1917	1918	1919	1920	1921	1922	1923	Total
No. of cases notified	103	117	87	74	77	64	65	64	651
No. of deaths ...	49	50	31	25	33	23	20	20	251
Death-rate	.75	.76	.45	.35	.47	.33	.28	.28	

The sources from which the notifications were received were as follows :—

	Pulmonary	Non-Pulmonary	Total
General Practitioners	89	32	121
Medical Officers and Institutions	9	12	21
School Medical Officers	1	13	14
Medical Officer of Health ...	1	7	8
Total	100	64	164

The sex of the notified cases and the particulars of the parts affected are shewn in Table 11.

BACTERIOLOGICAL WORK.

The following specimens were examined in the Health Department Laboratory :—

Sputum—

53 were positive (tuberculosis).

282 were negative (non-tuberculosis).

Urine—

1 was negative (non-tuberculosis).

TUBERCULOSIS (All Forms).

The deaths at intervals of all notified cases (1923) are shewn below :—

Deaths before notification	Under one month	Under six months	Under twelve months	Total
11	9	13	4	37

A.—PARTICULARS OF TREATMENT—PULMONARY TUBERCULOSIS.

Under the Corporation's scheme, 52 of the 100 cases notified received treatment.

The classification of these cases was as follows: —

	1st Stage	2nd Stage	3rd Stage	Total
Insured	17	12	6	35
Uninsured ...	7	4	—	11
School Children	5	—	1	6
Total ...	29	16	7	52

TABLE 11.—ALL NOTIFIED CASES OF TUBERCULOSIS, 1923.

AGES	Pulmonary			Abdominal			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Under 1 year	—	—	—	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1	3	—	3
1 and under 2	—	1	1	1	1	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	2	2	4
2—3	1	2	3	—	—	—	—	—	—	—	—	—	1	—	1	—	2	2	—	—	—	2	4	6
3—4	—	—	—	1	—	1	2	—	2	—	—	—	—	—	—	1	1	2	—	—	—	4	1	5
4—5	1	—	1	—	—	—	—	1	1	1	—	1	—	—	—	—	—	—	—	—	—	2	1	3
5—10	4	4	8	1	—	1	1	—	1	2	—	2	—	—	—	7	8	15	1	—	1	16	12	28
10—15	3	6	9	1	1	2	—	1	1	—	—	—	1	—	1	2	3	5	—	—	—	7	11	18
15—20	7	11	18	—	—	—	—	—	—	1	—	1	—	1	1	2	2	4	—	—	—	10	14	24
20—25	7	5	12	1	1	2	—	—	—	—	—	—	—	—	—	1	3	4	—	—	—	9	9	18
25—35	10	10	20	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	10	11	21
35—45	4	4	8	—	—	—	—	—	—	—	—	—	1	—	1	—	1	1	—	—	—	5	5	10
45—55	7	2	9	1	—	1	—	—	—	—	1	1	—	—	—	—	1	1	—	—	—	8	4	12
55—65	4	6	10	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	4	7	11
Over 65	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
All Ages	49	51	100	7	3	10	5	2	7	4	1	5	3	1	4	13	23	36	2	—	2	83	81	164

It will be seen from the above Table that of those who availed themselves of the Corporation's treatment, 55.7% were in stage I. of the disease, 30.7% in stage II., and 13.4% in stage III., as compared with 52% in stage I., 35% in stage II., and 13% in stage III. for the year 1922.

Form of treatment prescribed on the first examination :—

	Sanatorium	Dispensary	Domiciliary	Hospital	School	Total
Insured ...	11	19	4	1	—	35
Uninsured ...	6	5	—	—	—	11
School Children	1	5	—	—	—	6
Total ...	18	29	4	1	—	52

Result of treatment at end of year :—

	Cured	Improved	Retro-gressing	Died	Not attending	No trace of disease	Total
Insured	—	12	3	10	7	3	35
Uninsured	1	3	5	1	—	1	11
School Children ...	—	2	—	1	2	1	6
Total ...	1	17	8	12	9	5	52

B.—PARTICULARS OF TREATMENT—NON-PULMONARY TUBERCULOSIS.

64 cases were notified, and of these 22 were treated.

Classification of these 22 cases was as follows :—

Insured	Uninsured	School-children	Total
2	9	11	22

The treatment advised is shown in the next Table :—

	Dispensary	Hospital	Domiciliary	X-Rays	Total
Insured	1	—	—	1	2
Uninsured	5	2	—	2	9
School Children	9	—	1	1	11
Total	15	2	1	4	22

At the end of the year, the results of treatment were :—

	Cured	Improved	Stationary	Dead	Retro-gressing	Not attending	Total
Insured	—	—	—	1	—	1	2
Uninsured...	—	8	—	1	—	—	9
School Children	1	7	1	—	—	2	11
Total	1	15	1	2	—	3	22

EXAMINATIONS, ATTENDANCES, ETC.
(All Cases).

206 Special Examinations of notified persons were made.

96 ,, ,, ,, un-notified ,,

These examinations were allocated as follows:

	Insured	Uninsured	Total
Notified Cases ...	100	106 ...	206
Un-notified ,, ...	4	92 ...	96

The number of attendances at the Dispensary made by 266 notified persons was 1,799, while 17 un-notified patients made 67 attendances.

HISTORY OF NOTIFIED CASES, 1923.

Disease	Previous history of disease in family	No history of disease in family	Disease Attributable to: Infection	Influenza	Pneumonia	Debility	Bronchitis	Pleurisy	Measles	Army	Employment	Accidents	Not known	Total
Pulmonary	23	77	15	4	12	2	3	5	6	6	1	2	44	100
Other Forms	15	49	13	2	3	2	2	—	5	1	—	2	34	64
Totals	38	126	28	6	15	4	5	5	11	7	1	4	78	164

SHELTER COLONY.

During the year, 8 adult patients occupied beds at the Shelter Colony, Throston, for varying periods. The shelters, as was the case last year, were kept open all the year round.

TUBERCULOSIS VISITORS.

Primary visits were paid to 141 cases by the Health Visitors, and to these patients 1,196 secondary visits were paid, making a total of 1,337 visits, as compared with 1,164 for the preceding year and 1,385 for 1921.

AFTER-CARE.

The After-Care Committee during 1923 supplied to patients, on the recommendation of the Medical Officer of Health, the following :—

	£	s	d	£	s	d
Clothing, Boots, etc.	66	6	10			
Milk, Eggs, etc.	149	9	0			
Provisions	0	9	4			
Meals	7	15	3			
				224	0	5

Venereal Diseases.

Six deaths occurred from these diseases—four under 1 year of age, one 25 to 35 years, and one 55 to 65 years. Four died from Congenital Syphilis and the other two from Tertiary Syphilis.

Four of the deaths occurred in the Workhouse and one each in the North and North-East Wards.

Novarsenobillon, supplied to the medical practitioners free of cost, numbered 150 phials; 120 being used in the Cameron Hospital and 30 in private practice.

The Durham University College of Medicine, Newcastle-on-Tyne, examined 262 specimens. Of this number, 94 were from the Treatment Centre and 168 from the practitioners; the total cost, including expenses, being £72 13s. 0d. 260 of the specimens sent were for Wassermann Reaction and 2 for the detection of Gonococci.

In addition to the above, the Venereal Diseases Officer examined at the Treatment Centre 213 specimens.

TREATMENT OF WEST HARTLEPOOL PATIENTS.

West Hartlepool patients were treated (as far as can be ascertained) at the following centres:—Cameron Hospital, West Hartlepool; Venereal Diseases Clinic, West Hartlepool; Dreadnought Hospital, Greenwich; and Dean's Hospital, South Shields. The number treated at these four centres was 153.

Table 12 shows the disease from which each person suffered.

TABLE 12.

FORM OF DISEASE	CENTRE								Total	
	Cameron Hospital		Treatment Centre, West Hartlepool		South Shields		Greenwich			
	1922	1923	1922	1923	1922	1923	1922	1923	1922	1923
Syphilis	50	26	48	40	—	—	1	1	99	67
Soft Chancre	—	—	7	4	—	—	1	—	8	4
Gonorrhœa	—	—	92	52	—	1	3	5	95	58
Conditions other than Venereal	—	—	31	24	1	—	—	—	32	24
Total	50	26	178	120	1	1	5	6	234	153

553 doses of Salvarsan or its substitutes were given to the above patients.

Pathological material examined:—

TABLE 12a.—Corporation Centre.

	For detection of			For Wassermann Reaction
	Spirochetes	Gonococci	Other Organisms	
(a) Specimens which were examined at and by the Medical Officer of the Treatment Centre	1	116	96	—
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory	—	—	—	94

TABLE 12b.—From other Centres.

	For detection of			For Wassermann Reaction
	Spirochetes	Gonococci	Other Organisms	
(a) Specimens which were examined at and by the Medical Officer of the Treatment Centre	1	5	1	—
(b) Specimens from persons attending at the Treatment Centre which were sent for examination to an approved laboratory	—	—	—	37

The usual initial and final doses of the substitutes used in the treatment of Syphilis are given below :—

TABLE 13.

Centre	Novarsenobillon	
	Initial Dose	Final Dose
Cameron Hospital, West Hartlepool	.3 gm.	.6 gm.
Treatment Centre, do.	.3 gm.	.75 gm.

The following information appertains to the work done at the Corporation Venereal Diseases Clinic :—

TABLE 14.

	Syphilis		Soft Chancre		Gonorrhœa		Conditions other than Venereal		TOTAL	
	M	F	M	F	M	F	M	F	M	F
Number of persons who on 1st January, 1923, were under treatment or observation ...	9	10	2	—	18	9	2	1	31	20

TABLE 15.

		Syphilis		Soft Chancre		Gonorrhœa		Conditions other than Venereal		TOTAL	
		M	F	M	F	M	F	M	F	M	F
Total attendances of all persons at the out-patient Clinic who were suffering from ...	1922	324	168	24	—	3410	628	34	18	3792	814
	1923	478	269	44	—	3282	1113	40	3	3844	1385
Aggregate numberof'In-patient days" of treatment given to persons who were suffering from	1922	39	—	—	—	221	105	—	—	260	10
	1923	35	8	—	—	—	63	—	—	35	71

	Males		Females		Total	
	1922	1923	1922	1923	1922	1923
(a) Attendances at out-patient Clinics ...	1,134	1,249	372	567	1,506	1,816
(b) Intermediate attendances for Irrigation, etc. ...	2,658	2,595	442	818	3,100	3,413
Totals ...	3,792	3,844	814	1,385	4,606	5,229

It will be observed from the foregoing Tables that there has been a marked decrease in the number of patients who have attended the Centre for the first time during the year. As this decrease is being observed throughout the country, it may be taken as an undoubted fact that venereal disease is on the decline.

For some time, people have been urged to get early advice and carry out the necessary treatment to render themselves non-infectious. Such treatment may have to be spread over a number of months, and the greatest difficulty is met in trying to persuade patients to continue with this treatment and to convince them that, although they are feeling sound in body and limb and

TABLE 16.

	West Hartlepool	Darlington	Middlesbro'	N'cle-on-Tyne	South Shields	Hull	Cardiff	Birmingham	Bradford	Liverpool	Plymouth	London	Durham Co.	Derbyshire	Scotland	Ireland	Sweden	Russia	Esthonia	Norway	Switzerland	Italy	Total
Number of persons from each area dealt with during the year at or in connection with the out-patient Clinic for the first time and found to be suffering from :—																							
Syphilis	40	1	1	1	—	1	—	—	—	—	1	—	8	—	1	—	6	5	1	3	—	—	69
Soft Chancre ...	4	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	1	—	—	—	—	7
Gonorrhœa... ...	52	1	—	—	2	1	1	1	1	1	1	1	10	1	2	1	3	3	—	2	—	1	85
Conditions other than Venereal...	24	—	—	—	—	—	—	—	—	—	—	—	3	—	—	—	—	—	—	—	1	—	28
Total	120	2	1	1	2	2	1	1	1	1	2	1	23	1	3	1	9	9	1	5	1	1	189
Total number of attendances at the out-patient Clinic of all patients residing in each area ...	4633	32	1	2	8	7	2	1	4	13	6	13	353	1	6	2	47	50	3	17	1	27	5229
Aggregate number of "In-patient" days of all patients residing in each area	85	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21	—	—	106
Number of doses of Salvarsan substitutes given to patients residing in each area—																							
Out-patient Clinic...	406	4	—	—	—	2	—	—	—	—	1	—	23	—	1	—		10	3	7	—	—	462

show no external evidence of the disease, it is absolutely essential, in order to effect a cure that they continue to do as they are told until they are finally discharged. It is gratifying, therefore, to find that, although the new patients have dropped from 234 in 1922 to 153, the total number of attendances has increased from 4,606 to 5,229.

CANCER.

The deaths from this disease numbered 67, a decrease of 15 when compared with the total for 1922.

The death-rate was .94 per 1,000 per annum, and is equal to 8.6% of the total deaths.

Since 1914, the deaths and death-rates are given below :—

Year	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	Total
No. of Deaths...	64	50	74	49	50	90	59	74	82	67	659
Death Rate ...	.98	.9	1.13	.75	.73	1.28	.84	1.06	1.18	.94	

The 67 deaths were ascribed to :—

Carcinoma	48
Sarcoma	2
Epithelioma	2
Cancer (no classification) ...	15
Total ...	67

The Ward distribution of the deaths was as follows :—

North	West	Park	S.West	S.East	Central	N.East	Seaton	Workhouse	Other Transferable Deaths	Total
5	7	5	11	3	15	8	6	4	3	67

The Cancer deaths were in the proportion of 30 males to 37 females.

The sex of the persons, together with the age groups and the part of the body affected, are shown in the next Table :—

TABLE 17.

Parts affected	Age	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		75 & up		Total	
	Sex	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum ...		–	–	1	–	–	–	2	3	2	3	–	1	5	7
Stomach, Liver, etc.		–	–	–	1	2	2	4	2	7	3	–	1	13	9
Reproductive Organs		–	–	–	1	–	3	–	3	–	1	–	3	—	11
Breast		–	–	–	–	–	2	–	–	–	2	–	–	—	4
Other Glands... ...		–	–	–	–	–	1	1	–	–	–	–	–	1	1
Mouth		–	–	–	–	–	–	1	–	1	–	1	–	3	—
Bones		–	–	–	–	–	–	1	–	–	–	–	–	1	—
Other Parts		1	–	–	1	1	–	–	2	4	1	1	1	7	5
Total ...		1	–	1	3	3	8	9	10	14	10	2	6	30	37

The notice with regard to Cancer, as printed in the 1920 Report, was inserted in the local press during the year, and disinfection has been offered after death in each case, as in previous years.

BRONCHITIS AND PNEUMONIA.

The deaths resulting from these two diseases numbercd 140—Bronchitis 65 and Pneumonia 75,—as compared with 193 for 1922.

These deaths are equivalent to 17.9% of the total deaths, and a death-rate of 1.9 per 1,000.

The deaths and death-rates from these two causes since 1914 are stated below :—

Year	Deaths from Bronchitis	Death Rate	Death Rate England & Wales	Deaths from Pneumonia	Death Rate	Death Rate England & Wales
1914	63	1.43	1.07	112	1.72	1.07
1915	107	1.64	1.4	142	2.18	1.34
1916	78	1.2	1.25	126	1.93	1.06
1917	71	1.09	1.25	98	1.5	1.14
1918	107	1.57	1.89	216	3.17	1.56
1919	135	1.92	1.26	151	2.15	1.08
1920	97	1.38	1.0	129	1.84	.9
1921	85	1.22	.9	94	1.3	.9
1922	89	1.27	—	104	1.48	—
1923	65	.91	—	75	1.05	—

The death-rates in the Wards are shewn below:

Disease	North	West	Park	S West	S East	Central	N East	Seaton
Bronchitis	.8	1.3	.6	.5	.6	1.1	1.0	1.1
Pneumonia	.5	.4	.6	.7	.8	1.1	1.3	1.5
Totals ...	1.3	1.7	1.2	1.2	1.4	2.2	2.3	2.6

The monthly mortality from these two causes is tabulated in the next Table :—

Disease	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
Bronchitis ...	20	12	2	3	1	2	4	2	2	2	6	9	65
Pneumonia ...	12	10	9	11	5	4	5	5	4	2	5	3	75
Total ...	32	22	11	14	6	6	9	7	6	4	11	12	140

The deaths occurred at the following age groups:—

Disease	Under 1 year	1—2 years	2—3 years	3—4 years	4—5 years	5–10 years	10–15 years	15–20 years	20–25 years	25–35 years	35–45 years	45–55 years	55–65 years	65 & up	Total
Bronchitis	27	6	1	—	—	—	—	—	—	—	—	4	7	20	65
Pneumonia	15	18	6	1	1	1	1	3	1	3	5	5	5	10	75
Total ...	42	24	7	1	1	1	1	3	1	3	5	9	12	30	140

42 children under one year of age, or 30% of the total deaths from these two causes, died; while under 5 years of age 75 deaths, or 53.5%, took place; and over 65 years, 30, or 21.4%.

Pneumonia notifications numbered 110.

Maternity and Child Welfare.

MIDWIVES' ACT, 1902 and 1918.

At the beginning of 1923, 13 Midwives were on the Roll, namely:—

Mrs. Batey 174, Alma Street.
,, Barlow, 4, Jesmond Road.
,, Craven, 5, Beechwood Road.
,, Coward, 3, Lister Street.
,, Dale, 4, Christopher Street.
Miss Edmunds, 143, Stockton Road.
,, Grainger, Windermere Road.
,, Gill, 13, Hopps Street.
,, Mason, The Green, Seaton Carew.
,, Street, 28, Windsor Street.
Mrs. Skeen, 3, Lister Street.
Miss Thomas, 61, Studley Road.
Mrs. Young, 7, Albion Street.

These Midwives received 45 visits and, in addition, 11 visits were paid to handy-women. The Midwives have carried on their work in a satisfactory manner.

MEDICAL ASSISTANCE, ETC., IN CASE OF CONFINEMENTS.

Circular 161, dated 24/12/20, as amended by Circular 358, dated 20/12/22, still remains in force. Doctors were sent for in 178 cases, as compared with 193 for the previous year. Further details of these emergencies will be found in the following Table:

TABLE 18.

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN AN EMERGENCY BY MIDWIVES.

Pregnancy—	
Persistent Vomiting	—
Albuminuria	2
	—2
Labour—	
Presentation :	
Transverse	—
Face	1
Prolapsed Cord	1
Breech	—
Foot	1
Hand and Cord	—
Occipito-posterior	8
No presentation	2
Uterine inertia	5
Placenta prævia	4
Contracted pelvis	—
Prolonged Labour	28
Ante-partum-hæmorrhage ...	2
Adherent placenta	2
Obstructed Labour	8
Perineal Tear	12
Rigid perinæum	—
Narrow passages	4
Impacted Head	—
Rigid cervix	—
Miscarriage	1
Retained Membranes	3
Eclampsia	1
	—83
Puerperium—	
Insanity	—
Phlebitis	—
Collapse	—
High Temperature ...	4
Post-partum-hæmorrhage	2
Thrombosis	—
Other causes	27
	—33
Infant—	
Inflammation of eyes ...	9
Spina bifida	—
Injuries	—
Premature birth ...	5
Hæmorrhage from rectum	—
Feebleness	6
Rash	1
Convulsions	—
Malformation	4
Pemphigus	—
Asphyxia	1
Atelectasis	—
Ophthalmia Neonatorum	—
Still birth	12
Tongue tie	3
Other causes	19
	—60
Total ...	178

Births attended by the Midwives numbered 791, the number for 1922 being 699.

NOTIFICATION OF BIRTHS.

During the year, 1,740 births were registered, and of these 1,689 were notified and 51 un-notified. These un-notified births are equivalent to 2.9% of the total births, as compared with 3.9% for 1922, 1.1% in 1921, and 3.3% in 1920.

The notifications were derived from the following sources:—

	Number
By Doctors	893
,, Midwives	786
,, Handy-women	9
,, Maternity Nurse ...	1
Un-notified	51
	1,740

WORK OF HEALTH VISITORS IN RELATION TO NEWLY-BORN CHILDREN.

The Health Visitors paid 1,382 primary visits to the 1,740 registered births, equal to 79.4% of the total births. The percentages for the three previous years were 86.6%, 87.9% and 85.5% respectively.

Secondary visits to children under one year of age numbered 3,903, a total of 5,285 visits to these children. In addition, to children between 1–5 years of age, 3,058 visits were paid, a grand total of 8,343 visits under the Maternity and Infant Welfare Scheme.

INFANT WELFARE WORK.—ATTENDANCES AT THE CENTRES.

Particulars of the infant attendances are given in the Table below:—

Centre	Total No. of children attending Centre	Total attend-ances	No. of children who made first attend-ances	No. of visits made by these children	No. of children who attended previous year	No. of visits made by these children	No. of new attenders under one year of age	No. of new attenders between 1—5 years
Mill House (now Whitby Street)	281	1,627	235	1,509	46	118	154	81
Alice Street ...	138	1,008	105	740	33	268	60	45
Dale Street ...	260	2,208	215	2,082	45	126	165	50
Seaton Carew ...	37	257	23	141	14	116	20	3
Total ...	716	5,100	578	4,472	138	628	399	179

TOTAL ATTENDANCES AT WELFARE CENTRES.

Clinic	Children under 1 year	Children over 1 year	Ante-Natal	Total	Total for 1922
Mill House (now Whitby Street) ...	935	692	19	1,646	1,324
Alice Street	404	604	3	1,011	766
Dale Street	1,542	666	7	2,215	1,051
Seaton Carew	155	102	2	259	305
Total ...	3,036	2,064	31	5,131	3,446

It had been felt for some time that the accommodation at the Mill House Centre was inadequate to cope with the number of babies in the area, and, in consequence, arrangements were made to transfer it to St. James' Mission Rooms in Whitby Street, a much more central position for that district. A re-arrangement of days was necessary, and the present time-table is as follows :—

Dale Street Centre	...Monday	... 2-30 to 5-30
Alice Street Centre	...Wednesday	... 2-30 to 5-30
Whitby Street Centre	...Thursday	... 2-30 to 5-30
Seaton Carew Centre	...Wednesday	... 2-30 to 5-30

It will be noticed from the above Table that there has been a large increase in the total number of attendances at the Centres—a fact which speaks for itself.

Defects found among the children attending the Centres are found below :—

DISEASE	CENTRE				Total
	Mill House	Alice Street	Dale Street	Seaton	
Hare-Lip	—	—	2	—	2
Rickets	44	12	22	2	80
Hernia...	8	5	15	4	32
Bronchitis	5	9	2	—	16
Diarrhœa, sickness, due to improper food, etc. ...	56	6	5	2	69
Skin Disease	4	3	5	—	12
Ringworm	—	—	—	—	—
Phimosis	11	2	2	1	16
Improper Feeding, etc. ...	77	41	94	11	223
Ophthalmia Neonatorum ...	2	1	2	—	5
Glands	11	—	3	—	14
Specific	2	2	1	—	5
Other Defects	68	26	30	8	132
Total	288	107	183	28	606

In the following Table, the methods of feeding these infants when first coming to the Centre, are shown :—

Method	ALL CENTRES		
	Regular Hours	Irregular Hours	Total
Natural (breast)	111	93	204
Artificial (various)	72	64	136
Combined (Natural and Artificial)	24	35	59
Children over 1 year—various diets	131	36	167
Breast-feeding over 1 year of age	—	12	12
Total	338	240	578

ANTE-NATAL WORK.

539 visits to expectant mothers were paid by the Health Visitors. At the Centres, 26 of these cases attended for advice, the following being their reasons for attending :—

	Number
Want of nourishment and debility ...	15
Varicose Veins	1
Swelling of legs and feet	1
Application for Maternity Bags ...	1
Other causes	8
Total ...	26

MATERNITY HOSPITAL.

The only hospital in the Borough used entirely for maternity purposes is the Corporation Maternity Home, "Grantully." This was opened during the preceding year, and is rapidly becoming more popular amongst those classes for whom it was intended. During the year, 154 women were admitted as in-patients, and it is worthy of note that the number of "bookings" increased towards the end of the year. It was found necessary to increase the staff to cope with the work, and accordingly one staff nurse, one nurse and one nursemaid were appointed in addition.

The outbreak of Puerperal Fever in March necessitated the closing down of the Home for a fortnight. The means at our disposal for isolating a suspected case or treating a case of puerperal fever were proved to be inadequate, both from the point of view of the patients and those in charge. In consequence, the Council asked and received sanction from the Ministry to build a small isolation block in the grounds of the Home, but at the end of the year this work had not been commenced.

TABLE 19.

"GRANTULLY" MATERNITY HOME REPORT.

WESTBOURNE ROAD, WEST HARTLEPOOL.

YEAR ENDED 31ST DECEMBER, 1923.

Total Number of cases admitted 154
(In addition, 7 patients were admitted for ante-natal treatment).

Average duration of stay days: 15

Number of cases delivered by (a) Midwives 23
,, ,, ,, (b) Doctors 131

Number of cases in which medical assistance sought by the midwife, with reasons for requiring assistance 9

(a) Ante-natal 0
(b) During labour 3
(c) After labour 5
(d) For Infant 1

Number of cases notified as puerperal sepsis, with result of treatment in each case (complete recovery in all cases) ... 4

Number of cases in which temperature rose above 100.4 for 24 hours, with rise of pulse rate 14

Number of cases of ophthalmia neonatorum, with result of treatment in each case —

No. of cases of inflammation of the eyes, however slight ... 1

Number of infants not entirely breast-fed while in the Institution, with reasons why they were not breast-fed 9

(a) Doctor's recommendation—delicate mothers 7
(b) Abscess of breast 1
(c) Mother's milk dispersed 1

Number of maternal deaths, with causes 1
(In a moribund condition when admitted. Placenta prævia. Died within an hour of admission).

Number of fœtal deaths (still-born or within 10 days of birth) and their causes, and the results of the post mortem examination, if obtainable 12

2—Not known.

1—Eclampsia.

2—Ante-partum hæmorrhage.

2—Impacted head (breech).

1—Overstrain during pregnancy.

1—Suspected specific disease on part of father.

2—Premature births ... 1 Albuminuria.
1 Placenta Prævia.

1—Hydrocephalic.

HOME NURSING.

Eleven of the 24 cases of Ophthalmia Neonatorum notified were treated by the doctor and Health Visitor or Midwife and Health Visitor.

Much has been done through the generosity of the Indigent Sick Society, who have continued to provide necessitous cases with food and maternity bags at the time of their confinement.

CONVALESCENT HOMES.

There is no municipal convalescent home, but the "Crippled Children's Guild" provide holidays for debilitated children every summer.

ILLEGITIMATE CHILDREN.

No provision is made for the unmarried mother or her illegitimate child.

STILL BIRTHS.

During the year under review, 65 still births took place, as compared with 88 for the previous year and 85 for the year 1921. The percentage of the total births was 3.7%, and the rate per 1,000 births per annum 37.3.

The notifications were received from :—

	Number
Doctors	47
Midwives	18
Total	65

INFANTILE DEATHS.

(See Vital Statistics).

The number of infant deaths was 160, equivalent to an infantile death-rate of 91.9 per 1,000 births, as compared with a rate of 100.3 for 1922.

VOLUNTARY AID.

There are no voluntary workers connected with this Department.

PUERPERAL FEVER.

Two of the 9 cases notified died, the percentage mortality being 22.2.

The notified cases and deaths since 1914 are given below:

Year	No. of cases	No. of deaths	No. of cases per 1,000 births	No. of deaths per 1,000 births	Year	No. of cases	No. of deaths	No. of cases per 1,000 births	No. of deaths per 1,000 births
1914	3	—	1.58	—	1919	7	4	4.1	2.3
1915	2	2	1.19	1.19	1920	8	2	3.6	.9
1916	4	1	2.4	.6	1921	6	3	2.9	1.4
1917	4	1	2.7	.7	1922	10	1	5.3	.5
1918	4	1	2.5	.6	1923	9	2	5.1	1.1

The Ward distribution of cases and deaths was as follows :—

	North	Park	S.West	Central	N. East	Seaton	Total
Cases ...	1	1	4	1	1	1	9
Deaths ...	1	1	—	—	—	—	2

OPHTHALMIA NEONATORUM.

Notifications received during the year numbered 24, and in the following Table the cases notified since 1914 are shown :—

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
No. of Cases ...	25	21	42	36	41	49	62	28	39	24
Rate per 1,000 births	13.2	12.4	25.2	24.4	27.8	29.2	28.3	13.4	21.04	13.7

The treatment was carried out by :—

	Number
Doctor and Health Visitor ...	10
Doctor and Midwife	6
Doctor and Parents	7
Midwife and Health Visitor ...	1
Total	24

Results of treatment :—

Complete Recovery ...	24

A total of 312 visits were paid by the Health Visitors to these 24 cases, comprising 24 primary and 288 secondary visits.

20 of the notifications were received from the doctors and 4 from the midwives.

MEASLES (see page 42).

The number of cases notified to this Department by the Education Department and the Health Visitors was 52, and the deaths numbered 10. Equal to a death-rate of .1.

EPIDEMIC DIARRHŒA (see page 42).

Nine deaths occurred from this disease.

WHOOPING COUGH (see page 43).

From the Education Authority 94 cases were reported. The deaths number 5, equivalent to a death-rate of .07 per 1,000 per annum.

POLIOMYELITIS (see page 43).

Three cases were notified.

Appendix.

1.—GENERAL INFORMATION.

Area (acres)	2,958
Population (1923)	70,930 (estimated)
No. of Inhabited Houses (1923)	14,036 (Census, 1921)
No. of Families or separate occupiers (1923)	15,053 (Census, 1921)
Rateable Value	£301,218
Sum represented by a penny rate	£1,147

2.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

	Total	M	F	
Births—Legitimate ...	1,740	905	835	Birth-rate (R.G.), 24.9
Illegitimate ...	61	37	24	
Deaths	780	424	356	Death-rate (R.G.), 11.0

Number of Women Dying in, or in consequence of, Childbirth :—

From Sepsis	2
,, Other causes ...	3

Deaths of Infants under one year of age per 1,000 births:—

Legitimate, 92.3 Illegitimate, 81.9 Total, 91.9

Deaths from Measles (all ages) ...	10
,, Whooping Cough	5
,, Diarrhœa (under two years)	9

3.—NOTIFIABLE DISEASES DURING THE YEAR.

DISEASE		Total Cases Notified	Cases admitted to Hospital	Total Deaths
Diphtheria		37	16	6
Scarlet Fever		167	103	3
Enteric Fever (including Paratyphoid)		5	—	2
Puerperal Fever		9	2	2
Pneumonia		110	1	75
Other Diseases, generally notifiable—				
Erysipelas		18	—	—
Ophthalmia Neonatorum		24	—	—
Acute Anterior Poliomyelitis... ...		3	—	1
Tuberculosis—				
(a) Pulmonary ...	M	49	5	30
	F	51	7	25
	Total	100	12	55
(b) Non-Pulmonary	M	34	9	14
	F	30	6	6
	Total	64	15	20

DISEASE	CASES			Vision unimpaired	Vision impaired	Total Blindness	Deaths
	Notified	Treated					
		At home	In H'spit'l				
Ophthalmia Neonatorum ...	24	24	—	24	—	—	—

The four cases under treatment at the end of last year all recovered, vision unimpaired.

An analysis of the total cases and deaths of the above diseases, in age groups, is given in the general body of the Report.

The percentage of non-notified tuberculosis deaths to total tuberculosis deaths was 32, the ratio being 32–100.

4.—SUMMARY (for reference) OF NURSING ARRANGEMENTS, HOSPITALS AND OTHER INSTITUTIONS AVAILABLE IN THE DISTRICT.

Professional Nursing in the Home.

(a) General.—This is provided by one voluntary association—The District Nursing Association.

(b) Infectious Diseases.—All cases of Ophthalmia Neonatorum and certain cases of Measles, Pneumonia, Epidemic Diarrhœa, etc., are visited by the Health Visitors.

(c) Midwives.—Names and addresses of Midwives practising in the district are contained in the body of this Report. For the Seaton Carew District one of the Health Visitors conducted Midwifery cases.

CLINICS AND TREATMENT CENTRES.

Situation	Nature of Accommodation	By whom provided	Remarks
Maternity Centres :—			
* Mill House, Stranton ...	2 rooms	Local Authority	1 Session weekly
Mission Hall, Alice Street	1 ,,	,,	,, ,,
St. Oswald's Mission Room, Dale St. ...	2 ,,	,,	,, ,,
Men's Club, Ashburn St., Seaton Carew ...	2 ,,	,,	,, ,,
School Clinic, Mill House, Stranton	3 ,,	,,	[weekly 4 minor ailments Clinics 4 Dental Clinics weekly 2 Ophthalmic Clinics weekly
Tuberculosis Dispensary do.	3 ,,	,,	1 Clinic weekly
Venereal Diseases Clinic do.	3 ,,	,,	3 Clinics weekly Men, 2 ; Women, 1

* During the year this Centre was done away with and the same was re-established in St. James' Mission Room, Whitby St., the accommodation being three rooms.

HOSPITALS PROVIDED OR SUBSIDISED BY THE LOCAL AUTHORITY.

1—Tuberculosis	...	Nil.
2—Maternity	...	Grantully Maternity Home.
3—Children ...	...	Nil.
4—Fever ...	...	Subsidised.
5—Small Pox	...	Nil.
Other	...	Yearly subscriptions are paid to the Cameron (Voluntary) Hospital.

The Hospitals Available for the district are the Cameron Hospital, Grantully Maternity Home, Hartlepools Hospital, Workhouse Infirmary, and the Port Sanitary Infectious Diseases Hospital. The accommodation at the Cameron Hospital and the Grantully Maternity Home (which are the only hospitals within the Borough) is set out in the body of the Report.

AMBULANCE FACILITIES.

The Corporation possesses a horse ambulance, which is used for the removal of patients suffering from infectious diseases.

6.—LABORATORY WORK.

See Examinations, issue of Diphtheria Anti-toxin, etc., in body of Report.

LIST OF ADOPTIVE ACTS, BYE-LAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH.

LOCAL ACT.

West Hartlepool Extension and Improvement Act, 1870.

LOCAL ORDERS.

Bye-Laws regulating—Public Abattoir (1896) Offensive Trades (1917), Common Lodging Houses (1888), New Streets and Buildings (1899), Public Bathing (1887), Dairies, Cowsheds and Milkshops (1891),

Means of Escape in case of Fire (Factory and Workshops, 1914), Public Market (1892), Good Rule & Government, against Spitting (1908), Sanitary Conveniences (1909), Tents, Vans and Sheds (1921), Pleasure Grounds, Public Walks, and a Village Green at Seaton Carew (1906). Houses-let-in-Lodgings (1922).

ADOPTIVE ACTS.

Public Health Amendment Act, 1907, Parts 5, 6 and

Sections 16, 18, 19, 20, 22, 25, 26, 27 and 33, comprised in Part 2.

,, 34, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50 and 51, comprised in Part 3.

,, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 65, 66, and 68, comprised in Part 4.

,, 95, comprised in Part 10, came into force, 1909.

7.—SANITARY ADMINISTRATION.

All included in body of Report.

8.—PUBLIC HEALTH STAFF,

including all who are employed in work connected with the Public Health, whether under the Health, Maternity and Child Welfare, or Education Committees.

Medical Officer of Health, School Medical Officer, etc.,

GORDON LILICO, M.B., Ch.B., D.P.H.

Tuberculosis Officer (part time)—H. M. CARGIN, M.D., D.P.H.*

Asst. Medical Officer of Health—A. F. ADAMSON, M.B., M.D., D.P.H.†

Assistant School Medical Officers (part time)—

J. WATERS, M.R.C.S., L.S.A.

E. SEATON COCKELL, M.R.C.S., L.S.A.

EUSTACE SWANWICK, M.R.C.S., L.R.C.P.

Consultant Surgeon, Grantully Maternity Home—

A. V. MACGREGOR, M.D., C.M.

Ophthalmic Surgeon (part time),—

J. R. FOSTER, M.B., F.R.C.S.

School Dentist (part time)—E. W. Manners, L.D.S. (Dunelm).

Veterinary Surgeon to Corporation—Benj. Hoadley, M.R.C.V.S.

Sanitary Inspectors and Inspectors under Sale of Food and Drugs Acts—

Harold V. Robinson, C.R.S.I.

John T. Durkin, C.R.S.I.

Health Visitors, Miss Bradshaw, Miss Suiter,‡ Miss Wilkinson, Miss Mason, Miss Kimpsford. Miss Thomas §

Matron, Grantully—Miss Nixon; Sister—Miss Thomas[1]; Sister—Miss Brown[2]

Nurses—Miss G. Wilkinson; Miss Wyles[3]

Assistant Nurse—Miss Young[4]

School Nurses—Miss E. Smith and Miss M. Wilkinson.

Chief Clerk—T. B. Clark.

Clerks—Miss F. Candler, Miss Bradley[5], Miss Dalziel[6] Miss Proud.

Office Boy—F. Smithson[7]

Disinfectors—J. Allen, R. L. Oliver.

Superintendent of Public Abattoir—J. Watson.

Public Analyst (part time)—Cyril J. H. Stock, B.Sc., F.I.C.

* Dr. Cargin resigned 15/4/1923. † Dr. Adamson was appointed 16/4/1923, and resigned December, 1923.

‡ Miss Suiter resigned October, 1923. § Miss Thomas appointed December, 1923.

[1] Miss Thomas resigned March, 1923. [2] Miss Brown appointed April 1923.

[3] Miss Wyles appointed January, 1923. [4] Miss Young appointed, July, 1923.

[5] Miss Bradley resigned Juue, 1923. [6] Miss Dalziel appointed June, 1923.

[7] F. Smithson appointed December, 1923.

9.—HOUSING.

Number of new houses erected during the year :—

(a) Total 121

(b) As part of a Municipal Housing Scheme 117

1.—Unfit Dwelling Houses.

Inspection—(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 1,242

(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910 375

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 25

(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation 849

2.—Remedy of Defects without Service of Formal Notice.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers 805

3.—Action under Statutory Powers.

A.—Proceedings under Section 28 of the Housing, Town Planning, etc., Act, 1919.

(1) Number of dwelling-houses in respect of which notices were served requiring repairs 12

(2) Number of dwelling-houses which were rendered fit—

(a) by owners 3

(b) by Local Authority in default of owners ... 9

(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close —

B.—Proceedings under Public Health Acts.

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 219

(2) Number of dwelling-houses in which defects were remedied—

(a) by owners 215

(b) by Local Authority in default of owners 4

C.—Proceedings under Section 17 and 18 of the Housing, Town Planning, etc., Act, 1909—

(1) Number of representations made with a view to the making of Closing Orders 1

(2) Number of dwelling-houses in respect of which Closing Orders were made 1

(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit —

(4) Number of dwelling-houses in respect of which Demolition Orders were made —

(5) Number of dwelling-houses demolished in pursuance of Demolition Orders —

(6) Houses demolished voluntarily —

FACTORIES AND WORKSHOPS.

The duties performed under the Factory and Workshop Act, 1901, are shewn in the following Tables, which are included at the request of the Secretary of State:—

1.—INSPECTION.

PREMISES (1)	Number of Inspections (2)	Number of Written Notices (3)	Number of Prosecutions (4)
Factories (Including Factory Laundries)	35	9	...
Workshops (Including Workshop Laundries)	183	28	...
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	9	1	...
Total	227	38	...

2.—DEFECTS.

PARTICULARS (1)	Number of Defects: Found (2)	Number of Defects: Remedied (3)	Number of Defects: Referred to H.M. Inspector (4)	Number of Prosecutions (5)
Nuisances under the Public Health Acts:—				
Want of cleanliness	6	6	Nil	Nil
Want of ventilation	...	...		
Overcrowding	1	1		
Want of drainage of floors	...	...		
Other nuisances	12	12		
Sanitary Accommodation — Insufficient	1	1		
Sanitary Accommodation — Unsuitable or defective ...	7	7		
Sanitary Accommodation — Not separate for sexes ...	2	2		
Offences under the Factory and Workshop Acts:—				
Illegal occupation of underground bakehouse (s. 101)	...	...		
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	13	13		
Other offences (Excluding offences relating to outwork which are included in Part 3 of this Report)	...	...		
Total	42	42	Nil	Nil

3.—HOME WORK.

NATURE OF WORK	OUTWORKERS' LISTS. SECTION 107									OUTWORK IN UNWHOLESOME PREMISES, SECTION 108			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110		
	Lists received from Employers						Notices served on Occupiers as to keeping or sending lists	Prosecutions							
	Sending twice in the year			Sending once in the year				Failing to keep or permit inspection of lists	Failing to send lists	Instances	Notices served	Prosecutions	Instances	Orders made (s. 110)	Prosecutions (Sections 109, 110)
	Lists	Outworkers		Lists	Outworkers										
		Contractors	Workmen		Contractors	Workmen									
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Wearing Apparel—making, etc. ...	4	16	1	...	...	...	10	...	...	...	...	...	...	...	...
Total	4	16	1	...	...	...	10	...	...	...	...	...	...	...	...

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year (1)		Number (2)
Important classes of workshops, such as workshop bakehouses, may be enumerated here	Dress and Mantle-making	30
	Milliners	13
	Tailors	29
	Boot Repairers	33
	Bakehouses	58
	Joiners and Cabinet Makers	40
	Plumbers	21
	Blacksmiths	12
	Other Trades	99
	Total Number of Workshops on Register ..	335

5.—OTHER MATTERS.

Class (1)		Number (2)
Matters notified to H.M. Inspector of Factories :—		
Failure to affix Abstract of the Factory and Workshop Acts (s. 133, 1901)		3
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts, (s. 5, 1901)	Notified by H.M. Inspector ...	12
	Reports (of action taken) sent to H.M. Inspector	12
Other		...
Underground Bakehouses (s. 101) in use at end of the year		2